

WORCESTER PUBLIC LIBRARY



3 8139 0129 6577 0

Worcester Free Public Library

Worcester Free Public Library



Digitized by the Internet Archive
in 2014

CITY DOCUMENT, NO. 42.

THIRD INAUGURAL ADDRESS

— OF —

HON. SAMUEL WINSLOW,

MAYOR OF THE CITY OF WORCESTER, JAN. 4, 1888;

WITH THE

ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS,

FOR THE

FINANCIAL YEAR ENDING NOVEMBER 30, 1887.

WORCESTER :

PRINTED BY CHARLES HAMILTON,

311 MAIN STREET.

1888.

R
352.07443

W922c

v. 42

1887

INDEX.

	PAGE.
Mayor's Address	5
City Treasurer's Report	27
Report of the Treasurer of City Trust Funds	31
Report of the Auditor	33
—Schedule of City Property	90
Report of the Commissioners of City Sinking Funds	100
Report of the Joint Standing Committee on Finance	104
Report of the City Clerk	106
Report of the City Marshal	107
Report of the Joint Standing Committee on Sewers	128
Report of the Superintendent of Sewers	130
Report of the Committee on Water	135
Report of the Water Commissioner	138
Report of the Water Registrar	153
Report of the City Engineer to the Committee on Water	158
Report of the Commissioner of Highways	159
Report of the Overseers of the Poor	171
Report of the City Physician	189
Report of the Chief Engineer of the Fire Department	192
The City Hospital.—Trustees and Officers	199
—Report of Trustees	201
—Report of the Superintendent and Resident Physician	208
Report of the Commissioners of the Jaques Fund and other Funds of the City Hospital	224
Report of the City Solicitor	228
Report of the Commissioners of Hope Cemetery	233
Worcester Free Public Library.—Directors in 1888	238
—Directors' Report	239
—Report of the Librarian	243
—Gifts to the Library	251
—Report of the Committee on the Library	256
—Report of the Committee on the Reading-Room	257
—Report of the Committee on the Building	260
—Report of the Committee on Finance	261
—Report of the Treasurer of the Reading-Room Fund	265
Report of the Superintendent of Public Buildings	267
Report of the Parks-Commission	281
Worcester Schools.—Report of Superintendent	319
—Secretary's Report	353
—List of Schools, Teachers, &c.	374
—Calendar for 1888	383
Report of the Board of Health	385
Report of the Committee on the Truant School	393

APPENDIX.

City Government and Officers for 1888	395
Salaries	406
Appropriations for 1888	407

MAYOR'S ADDRESS.

Gentlemen of the Board of Aldermen,

AND

Gentlemen of the Common Council:

It is with feelings of great pride that I stand before you to-day to assume, for the third time, the office of Mayor of the City of Worcester, and I can assure my fellow-citizens that I highly appreciate the honor of an election to such a responsible place in our local government as that, which I now hold. There is certainly in this grand old Commonwealth no city with greater or brighter prospects than our own. We excel in the arts of manufacturing, and stand high in the pursuits of trade. We have citizens who take an interest in our future welfare that is beyond all expectation. I cannot proceed to the consideration of strictly public affairs without making mention of the liberal gifts of Jonas G. Clark, Esq. and of Stephen Salisbury, Esq., to the cause of education, not only so far as they concern Worcester, but even as they will extend their influence throughout our land. Such contributions as these men have made to us are beyond our ability to repay, but we can certainly hope for the unending success of the work they have begun.

The financial condition of the city is good. In 1886 the city debt was reduced \$185,098.30, and in 1887 it was reduced \$242,463.64, making a total reduction in two years of \$427,561.94.

All the work of the departments for 1887, was done within the appropriations and the amount of \$131,940.70 was contributed to the sinking fund. The rate of taxation was also reduced one dollar per thousand of valuation.

The amount of appropriations asked for 1888 is \$1,075,726.50.

The increased amount asked for the current year is to meet the wants of our departments, and for this reason no reduction in rate of taxation need be expected.

THE FIRST PARISH.

On the 24th of April, 1871, the first communication to the City Council in relation to the removal of the Old South Meeting-house from the Common was sent by Edward W. Lincoln, who asked that his communication might be referred to the Committee on Education, which should confer with the Parish Committee of the Old South Society. On the 12th of July, 1871, the Mayor made a report, in behalf of the Committee on Education, to the effect that they had held a conference with the Parish Committee, and that they had failed to get any satisfactory expression therefrom, and they recommended that the City Solicitor be requested to furnish the City Council his written opinion as to the legal right of the Old South Parish to longer occupy the Common as a site for their Meeting-house.

On October 30th, 1871, a communication from Edward W. Lincoln, in relation to the Old South Church, was referred to the Committee on Finance.

On November 6th, 1871, the communication of Edward W. Lincoln, dated October 30th, 1871, in relation to the Old South Church, came up for consideration, and it was ordered that the Mayor be authorized to petition the Legislature for the authority necessary to remove the structure referred to in said communication. As a result of this petition a hearing was ordered before

the Judiciary Committee of the Legislature, and an act was passed granting the city the power to take and remove the Old South Church.

On October 7th, 1872, another communication was received from Edward W. Lincoln, in relation to accepting the act relating to the Old South Church. This communication was referred to the Committee on Education.

On October 14th, 1872, the Committee on Education made a report and recommended that an article with reference to the Old South Church be embodied in the warrant for the approaching city election, and in the warrant issued November 18th, 1872, the following was inserted: "Do the voters of the City of Worcester approve an act entitled, an Act to authorize the City of Worcester to acquire the interest of the First Parish in Worcester in the old common in said city for the purpose of a Public Park." The vote was taken by ballot at the election held Dec. 9th, 1872, and resulted, yea, 2,297—nay, 2,480. This ended all public controversy on this question until Dec. 15, 1884, when a petition was sent to the City Council by J. H. Walker and others to secure the removal of the Old South Church from the common. A reference was made to this petition in the Mayor's inaugural address of 1885, and an order was subsequently adopted authorizing the appointment of a joint special committee to consider that portion of the Mayor's address in reference to the removal of the Old South Church from the common. This special committee reported Jan. 26, 1885, an order authorizing the Mayor to petition the Legislature for such legislation as might be necessary to enable the city to acquire the title of the First Parish of Worcester in the common with a view to the use of said common for the purposes of a City Hall.

On the 24th of May, 1886, a petition was presented by the First Parish to raise their Meeting-house high enough to put a

story of brick or stone under the same, and to otherwise repair the building. In consequence of this petition, an order was introduced May 24, 1886, appointing a Joint Special Committee to consider and report what action should be taken by the City Council with reference to Chapter 139, Acts of the year 1885, entitled—"An Act to authorize the city of Worcester to take the Old Common for purpose of a public park or a City Hall." The committee had several conferences with a committee from the First Parish, but was unable to make any satisfactory arrangement, or to come to any agreement as to the value of the Parish rights. The committee on the part of the city offered to recommend to the City Council the payment of \$50,000, but such an offer was not entertained, inasmuch as the members of the Parish Committee were divided between the amounts of \$75,000 and \$90,000. The committee acting for the city was not inclined to be hasty in closing with them, as they expected another interview. There were, however, no further interviews, but on July 7th, 1886, the city clerk received from Albert F. Smith, clerk of the First Parish, a letter addressed to Mr. E. H. Towne, clerk of the Joint Special Committee, as follows:—

"The following is a copy of a resolution unanimously adopted at a special meeting of the First Parish (Old South) last evening:—

"*Resolved*, That it is the sense of this meeting that the Old South Parish relinquish all its rights and title in the Common and the land on which the Old South Church now stands to the City of Worcester for the sum of \$125,000, the Parish reserving the Meeting House and their right to take it down, or remove the same to any other location the Parish may select.

"*Resolved*, That, if the city reject the proposition made to it in the foregoing resolution or refuse or neglect to take action in the

matter within reasonable time, the Parish proceed at once to raise and repair the church on the present site according to plans and specifications already made."

Upon the receipt of this communication of July 7, 1886, from the First Parish the Joint Special Committee had no alternative than to proceed in accordance with the terms of the act and accordingly voted to make the following report and ask for the passage of the order, accompanying their report, which was the following :

"Ordered: That in the exercise of the authority vested in the City of Worcester by the one hundred and thirty-ninth chapter of the acts of the year eighteen hundred and eighty-five, all the title and interest of the First Parish in Worcester in the Old Common in said city is hereby taken by said city for the purposes of a public park and the purpose of a city hall."

The report was accepted and the order passed with but one dissenting vote in the Board of Aldermen, and with no opposition, whatsoever, in the Common Council. The committee, which had this matter in charge, did everything they thought best to bring about an agreement, but it was evident from the beginning that no settlement could be made, as there seemed to be a determination to lay the whole question before a commission. This was done, and the commissioners made their award, which we all felt was unjust to the city. In spite of the feeling in the matter it seemed best to settle the claim if possible, and for this purpose another Joint Special Committee was appointed, Nov. 21, 1887, with full power to act for the City Council. This committee met a committee with similar power from the First Parish, but the representatives of the church had the advantage of having in their favor the commissioners' award of \$148,400, with interest accumulating at a rapid rate. The first proposition from the committee of the City Council was to settle by the pay-

ment of \$100,000. The Parish Committee set their price at \$130,000. The city then offered \$115,000, and at this net expense to the city the affair has been settled. The First Parish received, however, the amount of \$395, which is the sum for which the city sold the church building. It gives me great pleasure to feel that the city is at last free from further annoyance in this direction.

FINANCE.

On the 30th of November, 1887, the city debt, less sinking funds and cash in treasury, amounted to \$1,967,352.70, as against \$2,209,816.34, November 30th, 1886, showing a decrease of \$242,463.64 in the net debt of the city during the last financial year. No floating debt was then outstanding. When we bear in mind the fact that, during the year, our gross funded debt,—including therein all city, sewer and water loans,—was reduced from \$3,506,700 to \$3,383,700, and the further fact that, during the same period, our assessed valuation was increased from \$54,566,389 to \$59,465,575, it seems that the financial standing of the city cannot be regarded as otherwise than satisfactory.

The city sinking funds, on the 30th of November last, amounted to \$903,651.94, a net increase of \$42,805.03 since November 30th, 1886. During the last financial year the Commissioners paid \$123,000 of the city debt of 1887, and, in 1888, will redeem \$63,000 of the city indebtedness as it matures. Since last November the Commissioners have received from the city the sum of \$131,940.70, which includes the several unexpended balances of appropriations for 1887, and sundry items of revenue, added to the several sinking funds under the provisions of Chapter 42, of the City Ordinances, and as that amount will fully meet the requirements of the Commissioners, under said chapter,

it will be unnecessary for the city to provide for any additional contributions in the tax levy of 1888.

The several trust funds of the city, comprising eight Hospital Funds and also the Bullock High School, Hope Cemetery, Green Library, Lake Park and Bancroft Endowment Funds, amounted to \$288,257.82, November 30th, 1887, showing an increase of \$27,244.83 during the year. Full details in regard to these funds can be obtained from the reports of the various boards and Commissions having them in charge, and from the statements of the City Treasurer appended thereto.

For further particulars in reference to the financial condition of the city I need only to refer you to the annual reports of the Auditor and Treasurer, both of which will be laid before you this evening for consideration.

SEWERS.

It can be truly said that Worcester has a sewerage system which has no superior in the Commonwealth. The good health of our inhabitants is more dependent on good drainage facilities than upon any other one condition. For a detailed account of the operations of the Sewer Department you are referred to the Reports of the Joint Standing Committee on Sewers to the City Council, and to the Report of the Superintendent of Sewers. The system of sewers has been extended about twelve miles in the past two years. It might seem to a casual observer that the sewers must be nearly completed, and that the outlay for construction about ended. Such would be the case if our city had finished its growth, but fortunately Worcester is prosperous and steadily increasing in every way, and, so long as it is, sewers must be built. About one-half of the amount expended for Sewer Construction during the past year will be turned over to the Sinking

Fund in the form of assessments. The sewer system now consists of 62.89 miles of sewers and the necessary appurtenances.

The Joint Standing Committee on Sewers, in whose charge was left the consideration of sewage disposal, has given the subject careful attention. It is the opinion of the Committee that the time has arrived when the question must be settled, inasmuch as only two years remain in which the city can complete its system of sewage disposal in compliance with the act passed in June, 1886. This enactment was an order to the City of Worcester to so purify its sewage, before its discharge into the Blackstone river, as to rid it of all its polluting qualities that endanger the public health or cause a nuisance therein.

The Joint Standing Committee therefore recommends the construction of an outfall sewer beginning at or near the terminus of the present sewer and extending through Quinsigamond Village to the area of land selected for its final treatment before discharging into said river. For the purchase of all necessary land and the construction of said sewer they ask for an appropriation of \$75,000. If the above suggestions are adopted by you, I would recommend that the city borrow money and issue bonds for the same. In order to grant the petitions for sewers now before the Committee an appropriation of \$75,000 will be necessary, and in addition \$13,000 for maintenance account, making a total appropriation of \$88,000, against \$82,000 granted last year.

STREET CONSTRUCTION.

The City Council has under consideration several projects for street improvements, which, if made, will call for large expenditures. The widening of Mechanic Street is the most expensive, the estimated cost being \$75,000. There are on file many peti-

tions for the construction of streets, all of which are worthy of consideration and attention. The amount asked for street construction for 1888 is \$105,200.

Quite a number of streets made public during the past year are in an unfinished state, and it is estimated that \$4,000 will be needed to finish them.

The Franklin Street Bridge will be finished early in the present year, and there seems to be no reason why the cost should exceed the estimate, unless the damages are unexpectedly and excessively heavy. The balance of the appropriation for this work was carried forward from last year's appropriation.

HIGHWAYS, SIDEWALKS AND PAVING.

The Highway Department calls for \$60,000 for street maintenance, which is somewhat in excess of last year's appropriation. This is rendered necessary by the additional work required of the department, owing to the opening of new streets, making streets public, etc.

There are now filed with the Committee on Highways petitions enough to call for an expenditure of \$34,500 for sidewalks if they are all answered favorably. As a great many new petitions will undoubtedly be presented during the year it will be seen that in order to keep pace with the demand a much larger appropriation than usual will have to be made and the Committee on Highways recommend that \$25,000 be appropriated for this purpose.

With the increase of heavy travel on our streets, the amount of paving done each year will also have to be increased. This is particularly the case where street-railroad tracks occupy a portion of the travelled way. It has been found almost impossible to keep a street in good repair without paving where the travel is confined to the limited space between the track and the curb.

There are localities that need attention at once. Washington Square should be finished; Church Street should be paved; Trumbull Square and Green Street as far as the Boston and Albany railroad, at least, should receive early care, while that portion of Southbridge Street lying between the Norwich and Worcester railroad and Madison Street should be paved as soon as the railroad tracks are taken up in the Spring.. The committee asks for an appropriation of \$20,000 for paving.

THE PUBLIC SCHOOLS.

Our Public Schools are conducted by a board, the members of which are directly responsible to the people of the city in the several wards. The mayor is the only member of the board who has the whole city for his constituency and is elected yearly. This direct responsibility is fitting, since no branch of the municipal service comes so near to the hearts of our citizens as do the schools. To them twelve thousand children come from homes, where, for the most part, they are the pride, the hope and the joy of their parents, who are vitally concerned in what so directly affects their offspring. Fortunately the welfare of our school system is not entrusted to any party, or creed, or set of men. In our schools, supported by all, irrespective of nationality or faith, our future citizens are being trained in sentiments of mutual forbearance and respect.

During my two years' service I have been pleased to note the singular absence of friction, both in the meetings of the committee and in the schools themselves. This is due to the readiness with which any substantial ground of complaint can be removed through the agency of the local committee and the earnest purpose of all concerned to do what is best for the cause of education.

The City Council, in the matter of education, is charged with the important duty of providing money and school-houses. The free-text-book law has added about \$15,000 to the yearly expenses but not without benefit to the schools. The Smead-Ruttan system of heating, ventilating and closets, has been introduced into the Dix Street school with satisfactory results, so far. Except for minor alterations and repairs no large outlay for school-houses is expected the coming year.

The increase of the year is shown by the following table:—

	1886.	1887.
School Census.....	13,795	14,048
Pupils Registered including Evening Schools....	13,813	14,479
Average Number belonging to Schools.....	11,180	11,323
Largest Attendance.....	11,039	11,425
In High School.....	695	748

ESTIMATE OF EXPENSES.

	Expenditure 1887.	Estimate 1888.
Instruction.....	\$192,748 79	\$198,700 00
Care of School-houses, Rents and Ordinary Repairs.....	35,625 26	36,500 00
Permanent Repairs.....	8,444 73	6,000 00
Evening Schools.....	4,354 54	6,500 00
Total Expenditure,.....	\$241,173 32	
Less Revenue.....	809 87	
	\$240,363 45	
Appropriation asked.....		\$247,700 00

FREE PUBLIC LIBRARY.

The Library has continued, during the past year, to do good work, and is filling a large field of usefulness. The whole number of volumes given out to readers and students was 198,000, which is 3,815 less than during the year preceding. This loss is only apparent, however, and is wholly in the reference depart-

ment. The loss grew out of the efforts to have books used outside of the library building, no record of which was kept. This was done to relieve the crowded state of the upper reading-room. There was an increased use of the circulating department.

The whole number of volumes in the library is 70,350, an increase during the year of 3,441.

The constant increase in the number of books, etc., in the library, is rapidly reducing the spare room in the building, and it is evident that in a few years there will be no space in which to care for the necessary additions. This will necessitate a larger building than the present, and in view of this fact it will be wise for us to look about for a suitable piece of land on which to build.

RECEIPTS.

City Appropriation.....	\$15,000 00
Dog Money.....	3,961 16
Fines, Sale of Books, Catalogues, etc.....	894 88
Total receipts.....	<u>\$19,856 04</u>

EXPENDITURES.

Expenditures for all purposes.....	\$19,853 14
Amount carried to Sinking Fund.....	2 90
	<u>\$19,856 04</u>

The estimate of expenses for the coming year is \$14,909 and the dog money.

WATER.

All the reservoirs connected with our water supply are full at the present time. These reservoirs and the grounds around them have received much care and attention during the preceding year, and every effort is being made to improve them as much as

possible each season. A new two-story brick barn 38x40 feet in size has been built in the rear of the Thomas Street repair shops, also a shed 38x80 feet, conveniently arranged for the storage of tools, at a cost of \$3,159.54. The yard now is a neat and tidy place, and in marked contrast to its former unsightly appearance.

The appropriation in 1887, was.....	\$35,000 00
The amount asked for 1888, is.....	\$30,000 00
The total cost of water works to November 30th, 1887, was.....	\$1,776,177 96
The amount of metered water for 11 months.....	584,169,275 gallons.
The amount of revenue received for water.....	\$129,609 98
The amount of uncollected bills in the hands of the City Treasurer.....	\$3,966 05
The amount appropriated from the water rates to the sinking fund.....	\$45,463 70
Which is \$13,500.90 more than in 1886.	

FIRE DEPARTMENT.

The general condition of the Fire Department is excellent. The members are not only interested and enthusiastic in their work, but they have received the confidence of the public as well. There is need, however, of a greater number of permanent men, for the city has outgrown the call system. There should be in the centre districts at least one man in attendance all the time, as many calls are made by individuals and by telephone messages. Under the present method, during meal-time, the stations are left without any attendant about three hours each day. This is of course unsafe and should receive consideration.

The Amount of the appropriation for 1887 was	\$55,000 00
The revenue was.....	2,854 33
Total receipts,	\$57,854 33
The Amount expended in 1887 was	56,226 29
Balance turned over to Sinking Fund	\$1,628 04
The Amount asked for 1888 is	\$59,065 00

PARKS—COMMISSION.

The Parks-Commission has asked the City Council for a special appropriation of \$34,000 to enable them to take for Park purposes the tract of land lying between Crystal and Gates Streets, and extending easterly from Main Street in front of Clark University to the Park lately purchased. I cannot doubt but that this action of the Commission was largely, if not wholly, influenced by facts imparted to its members by myself, and which may become the subject of a separate communication to you hereafter. I can only say now, that the prospect is bright for a very large increase of our educational facilities, and that too in behalf of a sex which has not always been favored with its full share.

The city, as such, can do little legally to aid any enterprise of this kind however meritorious, but I understand the Parks-Commission to be of the opinion that, if there is a likelihood of the establishment of a richly endowed College for Women in close proximity to Clark University, Worcester should at least manifest its appreciative sense of such munificence by the ample provision of open grounds for exercise and recreation. I cordially concur in the recommendation of the Commission, and I have no hesitation in advising that the sum asked be granted.

The deed of gift from Stephen Salisbury, Esq., of a tract of land situated between Salisbury Street, Park Avenue and Salisbury Pond, has been put upon record, and now Institute Park forms another link in the chain of Public Grounds with which we hope to surround our city. Your appreciation of Mr. Salisbury's wise liberality was timely expressed, and it only remains for the city to carry out certain conditions accepted with the gift.

Early in the past Fall the Mayors of our sister cities were in Worcester, and by the courtesy of the Parks-Commission were allowed to drive through Elm Park. What they saw there pleased

and surprised them and equally some of our own citizens, who were ignorant of what an attractive resort had been created at their own doors.

The chapter in the Statutes of A. D. 1882, under which the Parks-Commission was created, provides, under rigid safeguards, for "the issue of a Public-Park loan to an amount not exceeding the sum actually expended for the purchase or taking of lands for a Park or Parks."

I do not leave out of sight the sum of our present indebtedness. But it may be a question whether this timely provision of suitable land for playgrounds and parks, while they can be secured at a fair price, shall continue to be postponed because other demands are forced upon us unjustly and in spite of our earnest protest. Other cities whose future is less assured than our own, are far-reaching and active in this line of development. I am sure that I do not mistake the sentiment of our common constituency when I urge a bold, if careful, consideration of this whole subject.

The Parks-Commission state that an unusual amount of work will be required of them during the current year and therefore ask for an appropriation of \$10,000.

CITY ALMSHOUSE DEPARTMENT.

The City Farm still maintains its well-earned reputation for excellence of management, and the business connected with it is in a flourishing condition. The building accommodations, however, are insufficient, and the question of their enlargement will soon demand your attention.

The need of a permanent water supply is most apparent, and

its absence would be likely to bring a censure upon the city if a serious fire were to get under way in any of the buildings.

The total expenses at the Almshouse and	
Farm for the past year have been	\$27,045 77
Receipts.....	8,602 04
<hr/>	
Net cost.....	\$18,443 73

CITY RELIEF DEPARTMENT.

If a comparison of the appropriations and expenditures of this and other cities is a fair indication, there can be no doubt but that our charities have been economically and successfully managed. The whole number of persons who have received aid during the past year, either as full support or temporary relief, has been 2,101. The disbursements have been made with a view to keeping within the appropriation, but at the same time with the spirit of justice and generosity.

The entire expenses of this department have been \$12,371.95.

SCAVENGER DEPARTMENT.

The value of the Scavenger Department becomes greater each year, and it ought to be thoroughly furnished in order that it may do the greatest good to the largest number. At present the system is very incomplete, and is kept up at a much greater expense than need be. I would recommend that another piggery be established at some point in the southern part of the city, in order to save the useless expense of carrying the swill so great a distance as now, and, furthermore, that we have two stations as headquarters for the teams of our Scavenger Department.

The Expenditures for the past year have been \$13,757 66	
Receipts....	1,648 35
<hr/>	
Net cost..	\$12,109 31

TRUANT SCHOOL.

The number of commitments to the Truant School during the year has been 29, the same number as last year, and the average number belonging to the school has been twelve.

The expenditures have been:—

For teaching and supervision.....	\$300 00
“ board and clothing.....	2,515 15
Total cost.....	<u>\$2,815 15</u>

The average cost per pupil..... \$234 60

The amount asked for the total expenditure for the coming year is \$49,875.

CITY HOSPITAL.

The work at the City Hospital has been much increased during the past year, the number of cases admitted being 56 per cent. larger than in any previous year, as the report of the Trustees shows. More than half of those cared for have no homes of their own, and many of them have neither near relatives nor friends.

The new building, erected through the generosity of Mrs. Helen C. Knowles, adds a new department to the Hospital, but since it can be used only for a class of cases not heretofore provided for, it really adds nothing to the general capacity of the Hospital.

The expense of the institution has not been much larger than in previous years, while the relative cost per patient has been less. A large amount of the appropriation for last year has been returned to the sinking fund of the city. This is due to the fact that the income from the Hospital funds has been nearly

\$2,000, which is more than was estimated. The amount came from the sale of portions of the real estate left to the Hospital by the Jaques estate. This real estate, however, is nearly all sold, and the increase of income from this source is not likely to be much hereafter.

After a careful estimate, it is thought that an appropriation of \$10,000 will be needed for the ensuing year.

HOPE CEMETERY.

Hope Cemetery is the one public burial-place in the city. In the last year, 73 free burials were made and 332 in lots owned by individuals, making a total of 405. The number of lots sold is 104, so that now nearly 2,700 have been deeded by the city to individuals. The inevitable need of more land should be met by ample appropriations as may be from time to time recommended by the Commissioners, who have had charge of the cemetery since it was opened.

POLICE.

The Police discipline during the past year has been good, and the men on the force have behaved well. There have been only two suspensions in the ranks. The state of peace and order of the city speaks for itself, and will stand comparison with that of any city in the country.

The Police Telephone and Visual Signal Service, which was contracted for June 20th, 1887, and completed October 4th, has been in constant use since, and has proved its value, as the following table shows:—

Total number of miles run by patrol wagon since its introduction,	138
Number of prisoners brought in by wagon,.....	227
“ runs made to fires,.....	5
“ “ “ with ambulance,.....	6

The Signal Service is in use every night for practice and instruction, that the officers may become familiar with its work, and also to show that the boxes are in working order.

The amount of work done by the police during the past year has been greatly in excess of that of any previous year, and the indications point to a continuous and rapid growth during the years to come. As a result of this extra work there has appeared a great need of more careful preparation of the cases, which are brought up in our criminal court. It is impossible, in the face of well-trained counsel in the employ of the defendants, for the police officials to make out their testimony, etc., to fair advantage, and there is certainly a demand for a more methodical and effective way of presenting the complaints of the government. In order then to strengthen this weak spot, I recommend the appointment of a person to act as counsel, at a salary not exceeding \$1,000 a year, for the police and criminal department of our city.

The financial statement of the Police Department is as follows :

The Appropriations for 1887 were,.....	\$85,000 00
“ Earnings “ “ “	11,732 06

The total receipts were,	\$96,732 06
--------------------------------	-------------

The Amount expended was,	\$102,235 88
Less Amount paid for land,	11,616 96

Net expenditure for the year.....	\$90,618 92
-----------------------------------	-------------

Leaving a balance for the Sinking Fund of	\$6,113 04
---	------------

The amount asked for this year is,	\$98,077 50
Building Police Stable,	10,000 00

Total,.....	\$108,077 50
-------------	--------------

BOARD OF HEALTH.

The sanitary condition of the city during the past year has been good. There has been no epidemic of contagious diseases, in which particular we have been more fortunate than many of our sister cities.

The Board of Health asks for an appropriation of \$2,800.

LIGHTING STREETS.

There are at present in the city 614 gas lights, 50 of which burn all night; 1,487 gasoline lights, and 138 electric lights. The Joint Standing Committee on Lighting Streets ask for an appropriation of \$68,000 for the current year, which is an increase of \$6,000 over the sum appropriated last year. This increased amount is necessary to defray the expenses attending the recent addition of many new lights.

LIQUOR LAW.

The question of granting licenses for the sale of intoxicating liquors is one of the perennial considerations, which agitates the public mind and enters into our politics to so great an extent, that many important questions, which bear no relation to it, are made subservient in the treatment of municipal affairs. There can be no doubt but that the influence of intoxicating drinks, when taken to an excess, is detrimental to good morals, destroys the happiness of homes and renders life miserable to the indulgers. Drunkenness is, however, in our midst and we have to consider the best method of controlling it.

The State Legislature, in its wisdom, has passed a local option law, giving the voters of Cities and Towns the power of deciding by ballot, once each year, whether or not the sale of liquor shall be legal in their respective Cities or Townships. At the

last Election the citizens of Worcester, with a small majority, decided that liquor licenses should be granted in the city.

Although the vote on the question was very large the majority in favor of a license law was very small, yet, however large or small the majority may be, we must respect its will in our republican form of government. I think we all believe that the will of the majority of the voters of Worcester is that a limited number of licenses should be granted and that the character of those who receive licenses should be the best that we can find.

A limited number of licenses will meet my approval, but I urge great care in the investigation of the characters of the applicants. Moreover I advise that the maximum fee be charged for licenses and that the most strenuous efforts be made to enforce laws regulating them, in order that those who pay for their legal privileges shall receive protection in their rights.

It may be that before the first of next May the license law will be repealed and prohibition be the law of the Commonwealth, in which case the members of the Board of Aldermen will be relieved of the most disagreeable duty that comes before them. At all events, whether we have license or prohibition, the law must be enforced, and to accomplish this end we need the moral support of all good citizens.

CONCLUSION.

We have to-day assumed the business management of the city for the year 1888, and it becomes us to cherish and guard her interests by our most zealous efforts. In order to act wisely in our office we must strive to regulate our deeds by a spirit of activity and dignity. The proper conduct of municipal affairs does not consist solely in following up small questions, but rather

in investigating and attending to broad and profitable considerations. I most sincerely hope that during the present year the meetings of all branches of the city government will be harmonious, and that the business entrusted to our care will receive the attention it deserves.

The heads of our departments are without a single exception worthy men, and they give abundant evidence of having proper qualifications for their respective positions. With such opportunities for information, there seems to me to be no reason why we cannot use our efforts for the most good to the greatest number. With this aim in mind I am sure that we can wisely govern the city of Worcester.

REPORT OF THE CITY TREASURER.

OFFICE OF THE CITY TREASURER,
WORCESTER, MASS., January 2, 1888. }

To the Honorable City Council : —

The undersigned herewith presents his account of Receipts and Payments in the Treasury Department, for the financial year ending on Wednesday, November 30, 1887.

Cash balance, Dec. 1, 1886	\$506,733 44
Receipts during the year	1,884,528 05
Total	\$2,391,261 49
Payments during the year	1,785,332 58
Cash balance, Nov. 30, 1887	\$605,928 91
Deduct Mayor's draft for November bills	93,233 55
Leaving the balance, per Auditor's report, of	\$512,695 36

The several aggregate amounts received and credited, according to the books of this department, appear in the accompanying account current.

Respectfully submitted,

WM. S. BARTON,
City Treasurer.

Dr. CITY OF WORCESTER, in account current, from Dec. 1, 1886,

To authorized payments, charged to sundry accounts, as follows :—

No. of acct.

1.	Abatements	\$3,596 46
2.	Board of Health	2,327 32
3.	City Hall	2,847 70
4.	City Hospital	12,879 99
5.	City Hospital, Jaques Fund	9,019 06
6.	City Hospital, Tenney Fund	250 00
7.	Collector's Sales, Surplus Account	75 83
8.	Crystal Park	21,000 00
9.	District Court Building, and Police Station	33 67
10.	Fire Department	55,764 23
11.	Fire Department, Fire Patrol	1,200 00
12.	Free Public Library	20,191 95
13.	Highway Department	104,906 25
14.	Incidental Expenses	27,205 84
15.	Interest	105,783 77
16.	Interest on Funded Sewer Loans	33,400 00
17.	Interest on Funded Water Loans	28,948 00
18.	Lighting Streets	64,017 05
19.	Liquor Licenses	15,052 00
20.	Loans, Funded City	100,000 00
21.	Loans, Funded Water	23,000 00
22.	Loans, Temporary	210,000 00
23.	Parks-Commission	7,680 34
24.	Pauper Department, City Relief	12,363 75
25.	Pauper Department, Farm	29,065 31
26.	Pauper Department, House Offal	13,318 27
27.	Pauper Department, Truant School	2,664 33
28.	Police Department	101,680 52
29.	Real Estate, Lien Account	780 56
30.	Salaries	20,868 00
31.	School Department	240,961 93
32.	School-houses	23,347 86
33.	Sewers, Construction	67,843 45
34.	Sewers, Construction, Special Order, 1885	1,474 71
35.	Sewers, Maintenance	12,641 92
36.	Sinking Funds, 1875, General Debt	72,384 98
37.	Sinking Funds, 1876 to 1886, Special	95,835 53
38.	State Aid, New Account	5,027 50
39.	Street Construction	21,840 42
40.	Taxes, 1886, County (balance)	21,050 00
41.	Taxes, 1886, National Bank, State Account	28,705 50
42.	Taxes, 1886, State	46,035 00
43.	Taxes, 1887, County (part)	20,515 00
44.	Water Works, Construction	44,176 05
45.	Water Works, Construction, New Supply	1,834 38
46.	Water Works, Maintenance	51,738 15

Balance, Cash in the Treasury, Nov. 30, 1887,

\$1,785,832 58
 605,928 91
 \$2,391,261 49

to Nov. 30, 1887, with WILLIAM S. BARTON, *City Treasurer, Cr.*

By Cash received and credited to sundry accounts, as follows:—

No. of acct.		
1.	Board of Health	\$ 100 93
2.	City Hall	1,501 50
3.	City Hospital	3,933 63
4.	City Hospital, Jaques Fund	9,019 06
5.	City Hospital, Tenney Fund	250 00
6.	Collector's Sales, Surplus Account	79 48
7.	Fire Department	2,254 33
8.	Free Public Library	4,856 04
9.	Highway Department	18,168 43
10.	Incidental Expenses	14,217 91
11.	Interest	45,412 96
12.	Lighting Streets	93 02
13.	Liquor Licenses	60,208 00
14.	Loans, Temporary	210,000 00
15.	Parks-Commission	96 30
16.	Pauper Department, City Relief	4,427 20
17.	Pauper Department, Farm	8,602 04
18.	Pauper Department, House Offal	1,648 35
19.	Police Department	11,732 06
20.	Real Estate, Lien Account	740 73
21.	Real Estate Sales	13,000 00
22.	School Department	809 87
23.	School-houses	37 00
24.	Sewer Assessments	39,883 01
25.	Sewers, Construction	291 22
26.	Sewers, Maintenance	578 27
27.	Sidewalk Assessments	8,630 96
28.	Sinking Fund, 1875, General Debt	23,517 50
29.	Sinking Fund, 1877, Lynde Brook Damages	101,229 03
30.	Sinking Fund, 1884, Water Loan	35 20
31.	Sinking Fund, 1885, Sewer Loan	401 50
32.	Sinking Fund, 1886, Sewer Loan	232 25
33.	State Aid, New Account	6,078 50
34.	Taxes, 1878 to 1886, City	25,751 32
35.	Taxes, 1886, Corporation	84,536 57
36.	Taxes, 1886, National Bank, State Account	8,334 72
37.	Taxes, 1887, City	1,024,551 15
38.	Water Works, Construction	19,678 03
39.	Water Works, Maintenance	129,609 98
		<hr/>
Balance, Cash in the Treasury, Dec. 1, 1886,		\$1,884,528 05
		506,733 44
		<hr/>
		\$2,391,261 49

WM. S. BARTON,
City Treasurer.

WORCESTER, MASS., January 2, 1888.

REPORT

OF THE

TREASURER OF THE CITY TRUST FUNDS.

OFFICE OF THE CITY TREASURER, }
WORCESTER, MASS., January 2, 1888. }

To the Honorable City Council:—

The undersigned, as treasurer, *ex-officio*, of the trust funds belonging to the city, herewith presents sundry statements, in tabular form, showing the aggregate receipts and payments, on account of the several funds, during the last financial year, and also the various investments and cash balances standing to their credit, on the books of the Treasurer, at the close of business on Wednesday, November 30, 1887.

No.	TITLE OF FUND.	Amount Dec. 1, 1886.	Receipts during year.	TOTALS.	Payments during year.	Amount Nov. 30. 1887.
1	Bullock High School..1860	\$ 1,503 39	\$ 60 06	\$ 1,563 45	\$ 36 69	\$ 1,526 76
2	Hope Cemetery.....1863	14,458 76	7,908 50	22,367 26	7,632 20	14,735 06
3	Green Library.....1868	43,621 24	2,102 02	45,723 26	1,945 97	43,777 29
4	Davis Hospital.....1873	2,313 34	133 73	2,447 07	22 00	2,425 07
5	Jaques Hospital.....1874	175,996 69	20,359 86	196,356 55	9,149 16	187,207 39
6	Curtis Hospital.....1876	1,006 39	40 28	1,046 67	29 20	1,017 47
7	Shaw Hospital.....1877	283 43	32 11	315 54	.....	315 54
8	Tenney Hospital.....1881	5,000 00	250 00	5,250 00	250 00	5,000 00
9	Lake Park.....1884	2,897 68	74 10	2,971 78	681 24	2,290 54
10	Salisbury Hospital....1884	3,197 09	129 09	3,326 18	.....	3,326 18
11	Bancroft Endowm't..1885	10,231 98	408 98	10,640 96	400 00	10,240 96
12	Sargent Hospital.....1886	503 00	20 32	523 32	14 10	509 22
13	Knowles Hospital....1887	.....	25,614 50	25,614 50	9,728 16	15,886 34
Totals.....		\$ 261,012 99	\$ 57,133 55	\$ 318,146 54	\$ 29,888 72	\$ 288,257 82

INVESTMENTS AND CASH BALANCES.

November 30, 1887.

No.	INVESTMENTS, AT PAR VALUE.					Cash Balances.	Total Assets.
	First Mortgages.	Bank Stock.	R. R. Bond.	Special Deposits.	TOTALS.		
1	.....	.....	.....	\$ 1,500 00	\$ 1,500 00	\$ 26 76	\$ 1,526 76
2	.....	.....	.....	13,900 00	13,900 00	835 06	14,735 06
3	\$ 23,251 00	\$ 7,300 00	.....	11,980 76	42,531 76	1,245 53	43,777 29
4	.....	.....	\$ 1,000 00	1,000 00	2,000 00	425 07	2,425 07
5	178,350 00	1,500 00	.....	5,335 37	185,185 37	2,022 02	187,207 39
6	.....	.....	.....	1,000 00	1,000 00	17 47	1,017 47
7	.....	.....	.....	315 54	315 54	.....	315 54
8	5,000 00	.....	.....	.....	5,000 00	.....	5,000 00
9	.....	.....	.....	.....	.....	2,290 54	2,290 54
10	.....	.....	.....	3,000 00	3,000 00	326,18	3,326 18
11	.....	.....	.....	10,000 00	10,000 00	240 96	10,240 96
12	.....	.....	.....	500 00	500 00	9 22	509 22
13	.....	.....	.....	.....	.....	15,886 34	15,886 34
	\$ 206,601 00	\$ 8,800 00	\$ 1,000 00	\$48,531 67	\$ 264,932 67	\$23,325 15	\$288,257 82

For further information, in regard to the several trust funds, the undersigned begs leave to refer to the annual reports of the various boards and commissions having them in charge, and also to his statements appended thereto.

Respectfully submitted,

WILLIAM S. BARTON,

City Treasurer.

REPORT OF THE AUDITOR.

CITY OF WORCESTER, }
AUDITOR'S OFFICE, January 2, 1888. }

To the Honorable City Council:—

GENTLEMEN:—In conformity with the requirements of Section 4, Chapter 2, of the Ordinances of the City, the undersigned presents herewith his Annual Report of the Receipts and Expenditures of the City of Worcester, exhibiting the same as classified in the several Department Accounts, for the financial year ending November 30, 1887, and showing the Balances unexpended at that date, and a schedule of the City property.

Respectfully submitted,

HENRY GRIFFIN, *Auditor.*

Receipts.

The Receipts for the year ending November 30, 1887, are shown, in aggregates, as credited to the following accounts:—

No. of acct.		
1.	Board of Health	\$ 100 93
2.	City Hall	1,501 50
3.	City Hospital	3,933 63
4.	City Hospital, Jaques Fund	9,019 06
5.	City Hospital, Tenney Fund	250 00
6.	Collector's Sales, Surplus Account	79 48
7.	Fire Department	2,254 33
8.	Free Public Library	4,856 04
9.	Highway Department	18,168 43
10.	Incidental Expenses	14,217 91
11.	Interest, including Sinking Fund Receipts	45,412 96
12.	Lighting Streets	93 02
13.	Liquor Licenses	60,208 00
14.	Loans, Temporary	210,000 00
15.	Parks-Commission	96 30
16.	Pauper Department, City Relief	4,427 20
17.	Pauper Department, Farm	8,602 04
18.	Pauper Department, House Offal	1,648 35
19.	Police Department	11,732 06
20.	Real Estate, Lien Account	740 73
21.	Real Estate Sales	13,000 00
22.	School Department	809 87
23.	School-houses	37 00
24.	Sewer Assessments	39,883 01
25.	Sewers, Construction	291 22
26.	Sewers, Maintenance	578 27
27.	Sidewalk Assessments	8,630 96
28.	Sinking Fund, 1875, General Debt	23,517 50
29.	Sinking Fund, 1877, Lynde Brook Damages	101,229 03
30.	Sinking Fund, 1884, Water Loan	35 20
31.	Sinking Fund, 1885, Sewer Loan	401 50
32.	Sinking Fund, 1886, Sewer Loan	232 25
33.	State Aid, New Account	6,078 50
34.	Taxes, 1878 to 1886, City	25,751 32
35.	Taxes, 1886, Corporation	84,536 57
36.	Taxes, 1886, National Bank, State Account	8,334 72
37.	Taxes, 1887, City	1,024,551 15
38.	Water Works, Construction	19,678 03
39.	Water Works, Maintenance	129,609 98
		<hr/>
		\$1,884,528 05

Expenses.

The claims for the year ending November 30, 1887, as approved and drawn for in the Auditor's Office, are shown, in aggregates, as charged to the following accounts:—

No. of acct.

1.	Abatements	\$ 3,596 46
2.	Board of Health	2,401 18
3.	City Hall	3,984 78
4.	City Hospital	15,378 20
5.	City Hospital, Jaques Fund	9,019 06
6.	City Hospital, Tenney Fund	250 00
7.	Collector's Sales, Surplus Account	75 83
8.	Crystal Park	21,000 00
9.	Fire Department	56,226 29
10.	Fire Department, Fire Patrol	1,200 00
11.	Free Public Library	19,853 14
12.	Highway Department	106,016 98
13.	Incidental Expenses	27,796 89
14.	Interest, including Sinking Fund Disbursements,	105,783 77
15.	Interest on Funded Sewer Loans	33,400 00
16.	Interest on Funded Water Loans	28,948 00
17.	Lighting Streets	64,065 34
18.	Liquor Licenses	15,052 00
19.	Loans, Funded City	100,000 00
20.	Loans, Funded Water	23,000 00
21.	Loans, Temporary	210,000 00
22.	Parks-Commission	8,076 35
23.	Pauper Department, City Relief	12,371 95
24.	Pauper Department, Farm	27,045 77
25.	Pauper Department, House Offal	13,757 63
26.	Pauper Department, Truant School	2,815 15
27.	Police Department	102,235 88
28.	Real Estate, Lien Account	780 56
29.	Salaries	20,980 32
30.	School Department	241,505 74
31.	School-houses	23,357 98
32.	Sewers, Construction	69,832 73
33.	Sewers, Construction, Special Order, 1885	1,456 71
34.	Sewers, Maintenance	11,941 09
35.	Sinking Fund, 1875, General Debt	72,384 98
36.	Sinking Fund, 1876 to 1886, Special	95,835 53
37.	State Aid, New Account	5,027 50
38.	Street Construction	28,620 09
39.	Taxes, 1886, County (balance)	21,050 00
40.	Taxes, 1886, National Bank, State Account	28,705 50
41.	Taxes, 1886, State	46,035 00
42.	Taxes, 1887, County (part)	20,515 00
43.	Water Works, Construction	49,451 60
44.	Water Works, Construction, New Supply	1,840 18
45.	Water Works, Maintenance	55,198 28

\$1,807,869 44

MAYOR'S DRAFTS

AND

TREASURER'S PAYMENTS COMPARED.

The column of differences, November 30, 1887, in the following statement, shows the amount drawn for and charged to city accounts in the Auditor's Office, but not paid by the City Treasurer at that date.

No.	ACCOUNT.	Diff'neces Nov. 30, 1886.	Mayor's Drafts.	Total.	Treasurer's Payments.	Diff'neces Nov. 30, 1887.
1	Abatements.....		\$ 3,596 46	\$ 3,596 46	\$ 3,596 46	
2	Board of Health.....	\$ 112 30	2,401 18	2,513 48	2,327 32	\$ 186 16
3	City Hall.....	251 84	3,984 78	4,236 62	2,847 70	1,388 92
4	City Hospital.....	2,418 95	15,378 20	17,797 15	12,879 99	4,917 16
5	City Hospital, Jaques Fund.....		9,019 06	9,019 06	9,019 06	
6	City Hospital, Tenney Fund		250 00	250 00	250 00	
7	Collector's Sales, Surplus Account ..		75 83	75 83	75 83	
8	Crystal Park.....		21,000 00	21,000 00	21,000 00	
9	Dist. Ct. Build'g and Police Station.	33 67		33 67	33 67	
10	Fire Department.....	12,572 05	56,226 29	68,798 34	55,764 23	13,034 11
11	Fire Patrol.....	100 00	1,200 00	1,300 00	1,200 00	100 00
12	Free Public Library.....	1,644 12	19,853 14	21,497 26	20,191 95	1,305 31
13	Highway Department.....	8,586 93	106,016 98	114,603 91	104,906 25	9,697 66
14	Incidental Expenses.....	1,060 96	27,796 89	28,857 85	27,205 84	1,652 01
15	Interest.....		105,783 77	105,783 77	105,783 77	
16	Interest on Funded Sewer Loans		33,400 00	33,400 00	33,400 00	
17	Interest on Funded Water Loans....		28,948 00	28,948 00	28,948 00	
18	Lighting Streets.....	4,897 23	64,065 34	68,962 57	64,017 05	4,945 52
19	Liquor Licenses.....		15,052 00	15,052 00	15,052 00	
20	Loans, Funded City		100,000 00	100,000 00	100,000 00	
21	Loans, Funded Water.....		23,000 00	23,000 00	23,000 00	
22	Loans, Temporary		210,000 00	210,000 00	210,000 00	
23	Parks-Commission.....	495 10	8,076 35	8,571 45	7,680 34	891 11
24	Pauper Department, City Relief.....	919 98	12,371 95	13,291 93	12,363 75	928 18
25	Pauper Department, Farm	4,032 92	27,045 77	31,078 69	29,065 31	2,013 38
26	Pauper Department, House Offal....	599 09	13,757 63	14,356 72	13,318 27	1,038 45
27	Pauper Department, Truant School.	30 00	2,815 15	2,845 15	2,664 33	180 82
28	Police Department.....	2,669 77	102,235 88	104,905 65	101,680 52	3,225 13
29	Real Estate, Lien Account.....		780 56	780 56	780 56	
30	Salaries	1,679 51	20,980 32	22,659 83	20,868 00	1,791 83
31	School Department	21,434 58	241,505 74	262,940 32	240,961 93	21,978 39
32	School-houses	1,880 81	23,357 98	25,238 79	23,347 86	1,890 93
33	Sewers, Construction	376 84	69,832 73	70,209 57	67,843 45	2,366 12
34	Sewers, Construct., special order 1885	18 00	1,456 71	1,474 71	1,474 71	
35	Sewers, Maintenance.....	1,171 31	11,941 09	13,112 40	12,641 92	470 48
36	Sinking Fund, 1875, General Debt....		72,384 98	72,384 98	72,384 98	
37	Sinking Funds, 1876 to 1886, Special..		95,835 53	95,835 53	95,835 53	
38	State Aid, New Account.....		5,027 50	5,027 50	5,027 50	
39	Street Construction	156 57	28,620 09	28,776 66	21,840 42	6,936 24
40	Taxes, 1886, County (balance).....		21,050 00	21,050 00	21,050 00	
41	Taxes, 1886, Nat'l Bank, State Acct..		28,705 50	28,705 50	28,705 50	
42	Taxes, 1886, State		46,035 00	46,035 00	46,035 00	
43	Taxes, 1887, County (part)		20,515 00	20,515 00	20,515 00	
44	Water Works, Construction	1,358 51	49,451 60	50,810 11	44,176 05	6,634 06
45	Water Works, Const'n, New Supply.		1,840 18	1,840 18	1,834 38	5 80
46	Water Works, Maintenance.....	2,195 65	55,198 28	57,393 93	51,738 15	5,655 78
		\$70,696 69	\$1,807,869 44	\$1,878,566 13	\$1,785,332 58	\$93,233 55

AUDITOR'S REPORT.

Showing the Appropriation for each City Account; the Receipts and Expenses for the year ending November 30, 1887, and the balances unexpended at that date.

Abatements.

Appropriation,	\$2,500 00	
Amount transferred from Interest,	1,096 46	
	<hr/>	\$3,596 46

EXPENDED.

For Abatements allowed by Assessors,	\$3,596 46	
	<hr/>	
Total, as per item No. 1 of Expenses,		\$3,596 46

Board of Health.

Appropriation,	\$2,400 000	
	<hr/>	\$2,400 00

RECEIVED.

From Sundry persons for Licenses,	\$93 50	
“ “ “ for Fumigating Buildings,	7 43	
	<hr/>	
Total, as per item No. 1 of Receipts,		\$100 93
		<hr/>
		\$2,500 93

EXPENDED.

For Salary of James C. Coffey, Inspector,	\$952 07
“ “ “ “ “ Clerk,	116 66
“ “ Henry Griffin,	200 00
Services of Assistant Inspectors,	660 04
Horse hire,	344 50

For Advertising,	7 63	
Printing,	37 94	
Stationery, Stamps, etc .	19 59	
Traveling Expenses,	10 25	
Sulphur, Alcohol, etc.,	14 35	
Ambulance covering,	30 00	
Car Fares,	2 15	
Subscription to <i>Sanitary News</i> ,	2 00	
Posting Notices,	4 00	
		<hr/>
Total, as per item No. 2 of Expenses,		\$2,401 18
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$99 75

City Hall.

Appropriation,	\$1,800 00	
Amount transferred from Liquor Licenses,	1,000 00	
		<hr/>
		\$2,800 00

RECEIVED.

For Rent of Basement Rooms,	\$1,500 00	
Material Sold,	1 50	
		<hr/>
Total, as per item No. 2 of Receipts,		\$1,501 50
		<hr/>
		\$4,301 50

EXPENDED.

For Assistant Janitor,	\$600 00	
Night Watchman,	600 00	
Gas,	318 63	
Fuel,	455 35	
Removing Snow and Ashes,	86 24	
Repairs on Building,	634 38	
Furniture, fixtures and repairs of same,	185 31	
Brooms, brushes, matches, etc.,	34 76	
Washing towels,	37 20	
Ice,	30 99	
Rent of telephones,	40 00	
Electric Lights,	126 00	
Building tower, setting clock, etc.,	835 92	
		<hr/>
Total, as per item No. 3 of Expenses,		\$3,984 78
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$316 72

City Hospital.

Appropriation,	\$10,000 00	
Amount transferred from Liquor Licenses,	16,000 00	
	<hr/>	\$26,000 00

RECEIVED.

For Board of patients,	\$2,638 44	
Aid to State Paupers from Common- wealth,	1,295 19	
	<hr/>	
Total, as per item No. 3 of Receipts,		\$3,933 63
		<hr/>
		\$29,933 63

EXPENDED.

For Salary of Dr. C. A. Peabody (in part),	\$500 00
“ “ Matron (in part),	150 00
Services of nurses and domestics,	3,531 86
Groceries and provisions,	3,476 20
Crockery, tinware, etc.,	67 41
Furniture, fixtures and repairs of same,	277 03
Repairs on buildings,	468 34
Medicines,	710 65
Surgical instruments and repairs of same,	71 89
Fuel,	525 51
Gas,	397 74
Printing,	119 82
Books and stationery,	83 00
Postage, telegrams, etc.,	12 15
Board of horse and hack hire,	203 75
Dry goods, bedding, etc.,	389 76
Hardware and tools,	51 12
Trucking, freight and express,	36 26
Blacksmithing,	13 98
Water rates,	101 75
Repairs of harnesses,	11 85
Ice,	248 40
Burials,	42 00
Repairs of carriage,	33 90
Rent of telephone,	10 00
Plants,	5 80
Disinfectant,	39 00
Division fence (one half),	127 50
	<hr/>
	\$11,706 67

New addition.		
For Advertising,	\$9 00	
Engineering,	8 45	
Excavating,	545 66	
Plans and specifications,	248 00	
Jeremiah Murphy on contract,	1,687 31	
Extra labor,	85 73	
Stone work,	1,087 38	\$3,671 53
<hr/>		
Total, as per item No. 4 of Expenses,		\$15,378 20
<hr/>		
Balance unexpended,		\$14,555 43
Amount transferred to Sinking Fund,		2,232 61
<hr/>		
Balance, Nov. 30, 1887,		\$12,322 82

City Hospital : Jaques Fund.

RECEIVED.

For Net income from Commissioners of Jaques Hospital Fund,	\$9,019 06	
<hr/>		
Total, as per item No. 4 of Receipts,		\$9,019 06

EXPENDED.

For Salary of Dr. C. A. Peabody (in part),	\$750 00
“ “ Matron (in part),	150 00
Services of nurses and domestics,	2,527 09
Groceries and provisions,	2,648 99
Crockery, tinware, etc.,	90 85
Furniture, fixtures and repairs of same,	41 20
Repairs on buildings,	105 42
Medicines,	505 50
Surgical instruments and repairs of same,	185 68
Fuel,	711 92
Gas,	386 46
Printing,	41 59
Postage and telegrams,	24 90
Trucking, freight and express,	26 19
Dry goods, bedding, etc.,	186 77
Hardware and tools,	15 16

For Board of horse and hack hire,	\$178 45	
Blacksmithing,	7 00	
Repairs of harness,	1 75	
Rubber goods,	108 30	
Disinfectant,	4 50	
Grading, etc.,	11 20	
Stationery,	2 50	
Repairs on boiler,	162 71	
Removing snow,	6 00	
Rent of telephone,	10 00	
Water rates,	123 28	
		<hr/>
		\$9,013 41
Engineering for new addition,		5 65
		<hr/>
Total, as per item No. 5 of Expenses,		\$9,019 06

City Hospital: Tenney Fund.

RECEIVED.

From Commissioners, for net income,	\$250 00	
	<hr/>	
Total, as per item No. 5 of Receipts,		\$250 00

EXPENDED.

For Salary of Dr. C. A. Peabody (in part),	250 00	
	<hr/>	
Total, as per item No. 6 of Expenses,		\$250 00

Collector's Sales, Surplus Account.

Balance, November 30, 1886,	29 09
-----------------------------	-------

RECEIVED.

For sale of estates in excess of taxes, costs and interest, as per item No. 6 of Receipts,	79 48	
	<hr/>	
		\$108 57

EXPENDED.

Amount in excess of taxes and interest repaid, as per item No. 7 of Expenses,		75 83
		<hr/>
Balance, November 30, 1887,		\$32 74

Crystal Park.

Appropriations,	\$21,000 00
-----------------	-------------

EXPENDED.

Paid sundry persons for land,	\$21,000 00
-------------------------------	-------------

Total, as per item No. 8 of Expenses,	\$21,000 00
---------------------------------------	-------------

Fire Department.

Appropriation,	\$55,000 00
----------------	-------------

Amount transferred from Liquor Licenses,	600 00
--	--------

\$55,600 00

RECEIVED.

For Fines,	\$643 00
------------	----------

Material sold,	94 84
----------------	-------

Manure,	66 38
---------	-------

Horses sold,	610 00
--------------	--------

Rent of telephone,	10 00
--------------------	-------

Damage to apparatus,	2 05
----------------------	------

Labor on police signals,	655 91
--------------------------	--------

Grain sold,	172 15
-------------	--------

Total, as per item No. 7 of Receipts,	\$2,254 33
---------------------------------------	------------

\$57,854 33

EXPENDED.

Pay-rolls of engineers, stewards and drivers,	\$19,395 98
---	-------------

“ men, Steamer, No. 1,	1,703 75
------------------------	----------

“ “ “ “ 2,	1,525 72
------------	----------

“ “ “ “ 3,	1,502 75
------------	----------

“ “ Hose Co. “ 1,	1,239 75
-------------------	----------

“ “ “ “ 2,	1,226 02
------------	----------

“ “ “ “ 3,	1,275 75
------------	----------

“ “ “ “ 4,	1,280 48
------------	----------

“ “ “ “ 5,	1,262 48
------------	----------

“ “ “ “ 6,	1,108 00
------------	----------

“ “ “ “ 7,	1,281 00
------------	----------

“ “ “ “ 8,	1,229 50
------------	----------

“ “ “ “ 9,	1,272 50
------------	----------

Pay-rolls of men, Hook and Ladder Co.		
No. 1,	2,668	00
No. 2,	1,569	00
Pay-rolls of men, Chemical engine Co.		
No. 1,	462	00
Pay-rolls of men, Quinsigamond Hose Co.	416	00
For Signal boxes and repairs of same,	380	00
Materials for and repair of telegraph,	1,342	42
Horses,	675	00
Blowing whistle for fires,	160	00
Repairs of houses,	785	52
Apparatus and repairs of same,	1,263	17
Hose couplings and repairs of same,	2,354	65
Harness, blankets and repairs of same,	304	38
Hay, grain and straw,	3,088	72
Medical attendance on horses,	133	47
Board of horse, hack and horse hire,	664	50
Blacksmithing,	450	56
Freight, trucking, express and telegrams,	32	41
Rent of telephones,	130	00
Oil, soap, brushes, etc.,	205	60
Fuel,	800	74
Gas,	575	91
Printing,	147	44
Stationery, Stamps, etc.,	32	31
Furniture, bedding and fixtures,	422	76
Washing bedding, etc.,	401	10
Waste and packing,	9	43
Hardware and tools,	93	93
Paints and oil,	62	57
Rent of Power,	75	00
Badges and buttons,	64	25
Ice,	13	98
Advertising,	9	15
Swine,	12	00
Rubber blankets for Protective Dep't,	600	00
Engineering,	2	64
Water rates,	261	00
Telephone poles,	253	00
Total, as per item No. 9 of Expenses,		\$56,226 29
Balance unexpended, transferred to Sinking Fund,		\$1,628 04

Fire Patrol.

Appropriation,	\$1,200 00	
	<hr/>	\$1,200 00

EXPENDED.

Paid Worcester Protective Department,	\$1,200 00	
	<hr/>	
Total, as per item No. 10 of Expenses,		\$1,200 00

Free Public Library.

Appropriation,	\$15,000 00	
	<hr/>	\$15,000 00

RECEIVED.

For Catalogues, fines, etc.,	\$609 88	
Books,	285 00	
Amount refunded,	18 99	
Dog fund from county,	3,942 17	
	<hr/>	
Total, as per item No. 8 of Receipts,		\$4,856 04
		<hr/>
		\$19,856 04

EXPENDED.

For Salary of S. S. Green, Librarian,	2,958 33
“ “ Assistants,	4,557 44
“ “ Janitor,	760 60
Books and stationery,	6,242 54
Binding books,	1,025 08
Fuel,	305 18
Gas,	763 83
Stamps, express, etc.,	273 77
Printing,	326 29
Water rates,	124 64
Repairs of building,	1,324 91
Furniture and repairs of same,	63 21
Periodicals for reading-room,	500 00
Insurance,	298 75
Lawn mover, etc.,	9 90
Fire extinguisher,	30 40

For Engraving and printing note heads,	45 27	
Heating apparatus,	243 00	
		<hr/>
Total, as per item No. 11 of Expenses,		\$19,853 14
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$2 90

Highway Department.

Appropriation (Highways, Sidewalks and Paving.),	\$80,000 00	
Amount transferred from Sidewalks,	8,630 96	
		<hr/>
		\$88,630 96

RECEIVED.

For labor, materials, etc.,	\$11,833 60	
Grading sundry streets,	6,334 83	
		<hr/>
Total, as per item No. 9 of Receipts,		\$18,168 43
		<hr/>
		\$106,799 39

EXPENDED.

For Salary of L. B. Stone, Commissioner,	\$2,090 56	
Labor of men, as per pay-rolls,	50,731 59	
Extra labor of men and teams,	12,480 50	
Clerical labor,	400 00	
Engineering,	1,144 40	
Hardware, tools and repairing of same,	744 87	
Blacksmithing,	1,247 28	
Horse carts, wagons and repairs of same,	81 26	
Repairs of crusher, engine and boiler,	107 28	
Repairs at stable,	19 77	
Lumber and carpenter work,	872 75	
Horses,	926 50	
Hay, grain and straw,	3,842 29	
Harness, blankets and repairs of same,	327 91	
Medical attendance on horses and med- icine,	129 59	
Field stone, for crushing,	1,091 50	
Cobble stone, for paving,	674 62	
Curb stone and cross-walks,	5,015 42	
Stone posts and wall stone,	146 05	

For Paving blocks,	11,566 08
Gravel,	747 22
Brick,	3,669 19
Cement, sand and sewer pipe,	51 23
Paving,	5,517,61
Oil, lanterns, brooms, etc.,	154 06
Gas,	69 75
Fuel,	124 08
Hack and horse hire,	163 50
Advertising,	109 37
Printing,	39 27
Concrete walk,	543 85
Stationery and stamps,	14 07
Cordage and waste,	9 30
Powder and fuse,	10 40
Iron and steel,	15 05
Slaughtering hogs,	11 50
Supplying water for trough, and care of same,	33 00
Repairs of road machine and street sweepers,	268 69
Insurance,	75 00
Street signs,	17 20
Witness fees in various cases,	35 60
Traveling expenses,	31 10
Freight and trucking,	65 78
Refreshments for laborers,	5 40
Abatement on walk,	3 00
Clerical labor and copying,	3 48
Magneto bell,	11 50
Removing snow,	4 93
Painting foot bridge,	27 20
Photographic materials,	97 43
Legal services,	8 00
Injury to estate paid to Thomas Moran,	50 00
“ “ crop “ Joseph Wharton,	15 00
“ “ horse, etc., F. W. Flagg,	100 00
“ “ team, “ Max Herman,	75 00
“ “ person, Josephine Barrows,	200 00

Total, as per item No. 12 of Ex-
penses,

\$106,016 98

Balance unexpended, transferred to Sink-
ing Fund,

\$782 41

Incidental Expenses.

Appropriation,

\$14,000 00

RECEIVED.

For Office fees from City Clerk,	\$1,997 00
Licenses " " "	2,326 50
Dog licenses " " "	2,148 00
Sales of ordinances " "	2 50
Milk licenses,	155 50
Peddlers' licenses,	475 00
Rent of Armories, from Commonwealth,	1,200 00
One half fees for weighing on City Scales,	597 05
Engineering, on drains,	223 05
" " plans and surveys,	11 75
For amount allowed for relief of indigent soldiers and sailors, from Commonwealth, account of 1885,	359 50
Amount allowed on account of foreign ships, from Commonwealth,	221 38
Stationery and stamps,	226 13
Costs on Sidewalk Assessments,	6 84
" " Sewer Assessments,	40 62
" " Taxes, 1881, .40. 1885, 2.67 }	428 34
" " " 1883, .20. 1886, 292.37 }	
" " " 1884, .80. 1887, 131.90 }	
" " Real Estate, lien account,	6 50
Rent of Central District Court room,	1,000 00
Dividends on Fitchburg Railroad Co. Stock,	2,010 00
Boston and Albany Railroad tickets,	275 75
Fine imposed by State Gas Commissions on Worcester Gas Light Co. .	100 00
Rent of land,	11 00
Use of engineer's instrument,	50
Old South Church from B. S. Fenner,	320 00
" " " Foundation stone from H. S. Pike,	75 00

 Total, as per item No. 10 of Receipts, \$14,217 91

 \$28,217 91

EXPENDED.

For Clerical labor for Auditor,	\$1,209	56
“ “ “ Mayor,	1,100	00
“ “ “ Treasurer,	1,912	10
“ “ “ “ on tax bills,	480	75
“ “ “ City Clerk,	1,327	87
“ “ “ Assessors,	1,441	35
“ “ “ Registrars of Voters,	106	50
Registrars of Voters,	600	00
Assistant Assessors,	724	50
Services of Engineers,	1,841	27
Plans for assessors,	341	37
Page to common council,	32	00
Directories and advertising in same,	230	00
Engineer's instruments and materials,	348	80
Pay-roll of ward clerks and inspectors,	735	00
Rent, furniture, care of and heating		
ward rooms,	279	77
Pay-roll physicians, reporting births,	443	00
Collecting births,	192	00
Return of deaths by undertakers,	315	75
Fuel, for armories,	120	80
Gas, “ “	175	00
Furniture and repairs of armories,	554	37
Rent of armories,	2,240	50
Advertising,	441	78
Stamps,	410	98
Postals,	510	00
Printing,	1,856	97
Blank books and stationery,	749	57
Care of church clocks,	100	00
Examining records and recording deeds,	72	80
Serving tax summons and notices,	434	75
Indigent soldiers and sailors,	634	00
Fuel for city scales,	11	80
Gas and lanterns for band stand,	10	65
Gas for Central District Court-room,	49	74
Memorial Day expenses,	418	40
Fourth of July “	483	00
Evening concerts,	300	00
Rent of Horticultural and Washburn		
Halls,	40	00
Repairs of flag-staff,	10	90
Posting notices,	43	50

For Deputy collector of taxes,	1,100 00	
Paymaster,	112 49	
Hack and horse hire,	160 50	
Ice for drinking fountains,	190 90	
Analysis of milk and butter,	31 00	
Boxes for ballots and repairs of same,	72 83	
Rent of rifle range,	100 00	
Repairs of building at rifle range,	110 95	
Refreshments for Mayor and Aldermen,	23 95	
Type and insurance on the same,	56 76	
Central District Court, legal costs,	334 96	
Repairs of Bigelow monument,	96 30	
Heating armory, paid A. N. Currier,	50 00	
Repairs of city scales,	64 50	
Traveling expenses,	15 54	
Maps of the City,	91 00	
Repairs of Central District Court room,	59 25	
Fitchburg railroad rights,	71 40	
Legal costs in McGourty case,	8 75	
Boston & Albany railroad tickets,	312 50	
Sprinkling around public buildings and squares, paid John A. Bancroft,	695 00	
paid Garfield & Harrington,	90 00	
Expense of committee to legislature,	19 00	
Dinners for legislative committee,	60 00	
Repairs of band stand,	20 41	
Paid J. H. Bancroft, interest and costs on taxes 1884, deed surrendered,	4 86	
Material for ambulance,	12 46	
Advertising, trucking, etc., Old South Church,	116 85	
Legal expenses in case of Old South Church,	36 35	
Oread Institute ; rebate on taxes, 1886,	57 35	
Stairs at Ward 5 ward-room,	289 93	
Total, as per item No. 13 of Expenses,		\$27,796 89
Balance unexpended, transferred to Sinking Fund,		\$421 02

Interest.

Appropriation,	\$101,500 00	
Amount of interest transferred,	2,415 48	
		<hr/>
		\$103,915 48
Less amount transferred to		
Abatements,	\$1,096 46	
Less amount transferred to Pauper		
Department, House Ofal,	109 28	
Less amount transferred to School		
Department,	195 87	\$1,401 61
		<hr/>
		\$102,513 87

RECEIVED.

For interest on deposits,	\$6,097 39	
“ “ Sewer Assessments,	774 48	
“ “ Sidewalk Assessments,	73 36	
“ “ Real Estate, Lien Account,	18 58	
“ “ Taxes from 1878 to 1887,		
inulative,	1,077 65	
Interest from Commissioners of Sink-		
ing Funds on investments, etc.,	37,371 50	
		<hr/>
Total, as per item No. 11 of Receipts,		\$45,412 96
		<hr/>
		\$147,926 83

EXPENDED.

For amount of interest transferred,	\$37,371 50	
Interest, etc., on invest-		
ments for Sinking		
Funds, transferred,	\$2,415 48	
Interest on Temporary		
Loans,	2,757 29	
Interest on Funded City		
Loan,	100,611 00	
		<hr/>
Total, as per item No.		
14 of Expenses,	\$105,783 77	
		<hr/>
		\$143,155 27
		<hr/>
Balance unexpended, transferred		
to Sinking Fund,		\$4,771 56

Interest on Funded Sewer Loan.

Appropriation,	\$33,400 00	
	<hr/>	\$33,400 00

EXPENDED.

For interest on Funded Sewer Loan,	\$33,400 00	
	<hr/>	
Total, as per item No. 15 of Expenses,		\$33,400 00

Interest on Funded Water Loan.

RECEIVED.

Receipts for Water Rates, transferred from Water Works, Maintenance Account,	\$28,948 00	
	<hr/>	\$28,948 00

EXPENDED.

For Interest on Funded Water Loan,	\$28,948 00	
	<hr/>	
As per item No. 16 of Expenses,		\$28,948 00

Lighting Streets.

Balance, November 30, 1886,	\$ 4,500 00	
Appropriation,	62,000 00	
	<hr/>	\$66,500 00

RECEIVED.

For damage to lanterns, globes, posts, etc.,	93 02	
	<hr/>	
As per item No. 12 of Receipts,		\$93 02
		<hr/>
		\$66,593 02

EXPENDED.

For Gas, Worcester Gas Light Co.,	\$10,826 40
Electric lights, Worcester Electric Light Co.,	24,731 15
Gasoline lights, Patrick Ronayne,	21,520 30

For Lighting and care of lamps,	4,935 79
Lamp-posts, frames and castings,	313 88
Lanterns and globes,	455 00
Ladders, and repairs of same,	13 87
Re-setting lamps, and repairs of lanterns,	400 89
Alcohol and waste,	100 99
Paints, oil and glass,	699 60
Engineering,	15 03
Rent of land for electric light, paid Boston & Albany Railroad Co.,	2 00
Clerical labor,	2 25
Traveling expenses,	32 44
Printing,	7 25
Hack and horse hire,	8 50
<hr/>	
Total, as per item No. 17 of Expenses,	\$64,065 34
<hr/>	
Balance unexpended, transferred to Sinking Fund,	\$2,527 68

Liquor Licenses.

RECEIVED.

For Licenses for the sale of liquor,	\$60,208 00
<hr/>	
As per item No. 13 of Receipts,	\$60,208 00
Amount transferred to sundry accounts, viz. :—	
Fire Department,	\$ 600 00
Police Department,	11,616 96
City Hospital,	16,000 00
Pauper Department, House Offal,	3,000 00
Sewers, Construction,	5,000 00
City Hall,	1,000 00
School Department,	5,500 00
Pauper Department, Farm,	2,439 04
<hr/>	
	\$45,156 00
<hr/>	
	\$15,052 00

EXPENDED.

Paid Commonwealth one-fourth of amount received for Liquor Licenses,	\$15,052 00
As per item No. 18 of Expenses,	\$15,052 00

Loans, Funded City.

Amount, November 30, 1886,	\$2,043,400 00
	<hr/>
	\$2,043,400 00

EXPENDED.

For Certificates of indebtedness, due January 1, 1887,	\$100,000 00
As per item No. 19 of Expenses,	\$100,000 00
Balance, November 30, 1887,	\$1,943,400 00

Loans, Funded Sewer.

Amount, November 30, 1886,	\$785,000 00
Amount, November 30, 1887,	\$785,000 00

Loans, Funded Water.

Amount, November 30, 1886,	\$678,300 00
	<hr/>
	\$678,300 00

EXPENDED.

For Certificate of indebtedness, No. 225, due June 1, 1887,	\$23,000 00
As per item No. 20 of Expenses,	\$23,000 00
Balance, November 30, 1887,	\$655,300 00

Loans, Temporary.

RECEIVED.

For Loans authorized by City Council,	\$210,000 00
As per item No. 14 of Receipts,	\$210,000 00

EXPENDED.

For City Notes cancelled, \$210,000 00

As per item No. 21 of Expenses, \$210,000 00

Parks-Commission.

Appropriation, \$8,000 00

\$8,000 00

RECEIVED.

For Amount transferred from Incidental
Expenses, for repairs of Bigelow
Monument,

\$96 30

As per item No. 15 of Receipts, \$96 30

\$8,096 30

EXPENDED.

For Grading and other labor,	\$3,944 30
Labor of men and teams,	134 15
Plants and trees,	2,047 53
Manure and loam,	589 00
Lawn-seed and grain,	71 08
Printing,	51 34
Blank-books, stationery and stamps,	24 90
Hardware and tools,	235 26
Carpenter work and lumber,	369 84
Advertising,	4 50
Engineering,	107 88
Blacksmithing,	8 89
Repairs of Fountain,	6 37
Trucking and freight,	19 40
Stone bounds and setting,	168 62
Settees,	12 00
Police badges,	3 75
Ladders,	23 94
Type-writer,	100 00
Powder and fuse,	3 60
Cement,	150 00

Total, as per item No. 22 of Ex-
penses,

\$8,076 35

Balance unexpended, transferred
to Sinking Fund,

\$19 95

Pauper Department: City Relief.

Appropriation,	\$12,000 00
	<hr/>
	\$12,000 00

RECEIVED.

From Commonwealth, for support of State Paupers,	\$479 56
“ Commonwealth, for burial of State Paupers,	195 00
“ Commonwealth, for transportation of Paupers,	28 50
“ County, Cities, Towns and individ- uals, for aid to their poor,	3,724 14
	<hr/>
Total, as per item No. 16 of Receipts,	\$4,427 20
	<hr/>
	\$16,427 20

EXPENDED.

For Salary of George W. Gale, Clerk,	\$1,200 00
“ “ L. F. Woodward, City Physician,	1,200 00
Transportation of Paupers,	280 80
Cash allowances,	60 49
Postage,	69 00
Stationery,	28 08
Clerical labor,	445 63
Fuel,	1,314 25
Groceries and provisions,	2,070 54
Medicine,	223 35
Burials,	609 50
Boots, shoes and clothing,	20 00
Printing,	95 26
Hack hire,	16 00
Care of Insane, by Commonwealth,	226 10
Care of Insane, at Worcester Lunatic Hospital,	3,046 74
Care of Insane, at Asylum for Chronic Insane,	180 11
Care of Insane, at Westboro' Insane Hospital,	26 93
Care of Paupers, by Commonwealth,	245 19

For Care of Blind, by Perkins Institution for Blind,	37 25
Board of Boys, at Lyman School for Boys,	51 86
Towns, cities and individuals, aid to Paupers,	924 87
	<hr/>
Total, as per item No. 23 of Ex- penses,	\$12,371 95
	<hr/>
Balance unexpended, transferred to Sinking Fund,	\$4,055 25

Pauper Department : Farm.

Appropriation,	\$18,000 00
Amount transferred from Liquor Licenses,	2,439 04
	<hr/>
	\$20,439 04

RECEIVED.

For Board of men and horses, Scaven- ger Department,	\$5,132 51
Board of Teacher and boys, Truant School,	2,288 44
Milk,	979 23
Soap-grease, etc.,	63 20
Cows and calves,	113 11
Clothing, etc.,	18 05
Board of horse,	7 50
	<hr/>
Total, as per item No. 17 of Re- ceipts,	\$8,602 04
	<hr/>
	\$29,041 08

EXPENDED.

For Salary of B. F. Parkhurst, Superin- tendent (in part),	\$583 30
Salary of Mrs. Parkhurst, Matron,	666 64
Pay-rolls of laborers,	5,495 21
Groceries and provisions,	8,542 50
Fuel,	1,714 15
Grain and straw,	2,759 70

For Hack and horse hire,	31 00	
Harness, blankets, and repairs of same,	93 76	
Medical attendance on horses,	71 45	
Wagons, carts, and repairs of same,	88 20	
Trucking, freight and express,	18 35	
Boots and shoes,	233 97	
Clothing,	168 38	
Dry goods, bedding, etc.,	654 34	
Crockery, tinware, etc.,	284 46	
Hardware and tools,	480 57	
Medicine,	234 62	
Furniture, fixtures, etc.,	175 09	
Chaplain,	100 00	
Cash allowed to inmates,	45 14	
Postage and stationery,	11 92	
Blacksmithing,	210 39	
Taxes in Shrewsbury,	67 97	
Manure,	504 90	
Seeds and plants,	84 15	
Disinfectants,	173 00	
Repairs of buildings,	2,813 59	
Rent of telephones,	80 00	
Live stock,	225 00	
Rent of land,	150 00	
Rubber goods,	59 02	
Traveling expenses,	8 52	
<i>Telegram</i> newspaper,	13 40	
Sawdust,	13 33	
Clerical labor,	24 00	
Services of Appraisers,	45 75	
Settlement of John Morrissey's suit,	120 00	
Total, as per item No. 24 of Expenses,		\$27,045 77
Balance unexpended, transferred to Sinking Fund,		\$1,995,31

Pauper Department: House Offal.

Appropriation,	\$9,000 00	
		\$9,000 00

Amount transferred from Liquor Licenses,	\$3,000	00
“ “ “ Interest,	109	28
		<hr/>
		\$3,109 28
		<hr/>
		\$12,109 28

RECEIVED.

For Manure,	\$480	00
Pork,	1,108	35
Pigs,	57	00
Swill,	3	00
		<hr/>
Total, as per item No. 18 of Receipts,		\$1,648 35
		<hr/>
		\$13,757 63

. EXPENDED.

For Salary of B. F. Parkhurst, Supt. (in part),	\$583	38
Collecting house offal,	4,117	16
Board of men and horses,	5,131	01
Wagons and repairs of same,	415	80
Harness, blankets and repairs of same,	313	01
Blacksmithing,	524	50
Horses,	808	00
Swine,	200	50
Grain and straw,	778	69
Repairs of houses,	381	46
Tools,	65	34
Stationery,	1	32
Trucking and freight,	70	02
Milk,	133	81
Trees,	2	00
Horse hire,	163	00
Extra labor of men and teams,	68	63
		<hr/>
Total, as per item No. 25 of Expenses,		\$13,757 63

Pauper Department : Truant School.

Appropriation,	\$3,200	00
		<hr/>
		\$3,200 00

EXPENDED.

For Salary of teacher,	\$300 00	
Board of teacher and boys,	2,288 58	
Boots, shoes and clothing,	184 80	
Horse hire,	4 00	
Books and stationery,	37 77	
	<hr/>	
Total, as per item No. 26 of Expenses,		\$2,815 15
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$384 85

Police Department.

Appropriation,	\$85,000 00	
Amount transferred from Liquor Licenses,	11,616 96	
	<hr/>	
		\$96,616 96

RECEIVED.

For Officers' fees, from Clerk of Central		
District Court,	\$10,024 26	
Extra services of officers,	427 55	
Use of city team,	379 38	
Cloth,	529 80	
Helmets,	275 40	
Damage to cells, and storage,	41 00	
Materials sold,	6 50	
Rent of tenements,	48 17	
	<hr/>	
Total, as per item No. 19 of Receipts,		\$11,732 06
		<hr/>
		\$108,349 02

EXPENDED.

For Salary of W. A. Washburn, City		
Marshal,	\$1,983 33	
Salary of F. C. Thayer, Assistant		
City Marshal,	1,300 00	
Salary of Amos Atkinson, Assistant		
City Marshal,	1,300 00	
Salary of David A. Matthews, Cap-		
tain,	1,200 00	
Salary of S.W. Ranger, Sergeant (part),	333 33	
" " Matthew J. Walsh, Sergeant		
(part),	333 33	

For Salary of W. L. Robinson, Janitor,	600	00
" " Mary B. Lane, Matron,	208	33
" " David A. Barr, Driver,	64	00
Pay-rolls of Patrolmen,	72,935	75
Cloth, buttons, badges and belts,	815	78
Board of horses,	531	17
Hack and horse hire,	55	50
Harness, blankets and repairs of same,	34	00
Wagon, sleigh and repairs of same,	93	65
Blacksmithing,	35	33
Washing bedding, towels etc.,	30	84
Brooms, lamps, matches etc.,	90	60
Stationery and stamps,	113	58
Furniture and repairs of same,	19	87
Repairs of buildings,	449	52
Rent of telephones,	40	00
Provisions for lodgers and prisoners,	98	47
Photographs of prisoners,	11	50
Express, telegrams and trucking,	26	50
Printing,	110	20
Ice,	55	54
Disinfectant,	29	50
Handcuffs and repairs of same,	43	40
Insurance,	40	00
Fuel,	595	69
Gas,	376	23
Electric light,	206	80
Traveling expenses,	7	92
Special police,	552	25
Water rates,	53	67
Tools,	19	95
Removing ashes,	23	00
Advertising,	3	46
Horse,	225	00
Car fares of men to Cambridge,	26	00
Gong,	40	00
Painting signs,	33	75
Helmets,	275	40
Land on Waldo St. of A. Tolman,	11,616	96
Police telegraph Signals as follows: Brewer and Smith Visual Signal Co.		
Contract,	\$3,700	00
Telegraph wire, etc.,	394	95

For Traveling expenses of Com-		
mittee,	59 40	
Hardware and tools,	37 68	
Express and trucking,	2 00	
Carpenter work,	91 54	
Re-setting lamp posts,	91 40	
Sundry materials,	132 55	
C. M. Mills, Electrician, and		
assistants,	687 26	
	<hr/> 5,196 78	
Total, as per item No. 27 of Ex-		
penses,		<hr/> \$102,235 88
Balance unexpended, transferred to Sinking		
Fund,		<hr/> \$6,113 14

Real Estate : Lien Account.

EXPENDED.

For Real Estate, sold for taxes and sewer		
assessments, and purchased by the		
Collector, as per item No. 28 of		
Expenses,	\$780 56	
	<hr/>	
		\$780 56

RECEIVED.

For amount of taxes and charges in re-		
demption, as per item No. 20 of		
Receipts,	\$740 73	
	<hr/>	
		\$740 73
Balance, Nov. 30, 1887,		<hr/> \$39 83

Real Estate Sales.

EXPENDED.

On account of land sold, as per item No.		
21 of Receipts,	\$13,000 00	
	<hr/>	
		\$13,000 00
Amount transferred to Sinking Fund,	\$13,000 00	
	<hr/>	
		\$13,000 00

Salaries.

Appropriation,	\$22,000 00
	<hr/>
	\$22,000 00

EXPENDED.

Paid Samuel Winslow, Mayor,	\$2,500 00
William S. Barton, Treasurer and Collector,	2,800 00
Frank P. Goulding, City Solicitor,	2,500 00
Chas. A. Allen, City Engineer,	2,382 24
Enoch H. Towne, City Clerk,	2,000 00
Henry Griffin, City Auditor,	1,300 00
J. P. Houghton, City Assessor,	324 99
Thomas Talbot, " "	1,383 73
Hudson Tolman, " "	218 52
H. G. Otis, " "	1,204 17
Thomas Monahan, " "	1,062 50
Chas. H. Peck, Superintendent of Public Buildings,	1,600 00
Chas. Marvin, City Messenger,	900 00
E. S. Knowles, Sealer of weights and measures,	250 00
E. S. Knowles, Inspector of Milk and Oleomargarine,	154 17
S. Hamilton Coe, Clerk of Common Council,	400 00
	<hr/>
Total, as per item No. 29 of Ex- penses,	\$20,980 32
	<hr/>
Balance unexpended, transferred to Sinking Fund,	\$1,019 68

School Department.

Appropriation,	\$235,000 00
Amount transferred from Liquor Licenses,	5,500 00
Amount transferred from Interest,	195 87
	<hr/>
	\$240,695 87

RECEIVED.

For Tuition,	\$370 50
Rent of Valley Falls School-house,	12 49
School books and stationery,	349 72
Repairs, and materials sold,	69 66
Furniture,	7 50

Total, as per item No. 22 of Receipts, \$809 87

\$241,505 74

EXPENDED.

For Salary of A. P. Marble, Supt.,	\$3,500 00
“ “ Teachers, as per pay-rolls,	172,969 15
“ “ Janitors, “ “ “ “	9,533 36
“ “ Teachers of evening schools,	
as per pay-rolls,	3,672 50
“ “ Janitors, as per pay-rolls,	197 00
Clerical labor,	1,460 00
Truant officers,	1,800 00
Rent of Superintendent's office,	1,000 00
“ “ school-rooms,	63 00
Fuel,	10,094 21
Gas,	439 56
Miscellaneous repairs,	10,332 26
Furniture, fixtures and repairs of same,	1,510 79
School books and stationery,	12,042 97
Chemical apparatus for High School,	12 09
Cleaning school-houses,	816 56
Repairs of stoves and furnaces,	1,344 64
Stoves and furnaces,	133 11
Stamps, express and telegrams,	102 17
Trucking and freight,	583 02
Clocks and care of same,	285 35
Advertising,	7 00
Brooms, mats, dusters, etc.,	333 90
Printing,	601 14
Pianos, pitch pipes and tuning pianos,	84 90
Water rates,	979 89
Cleaning vaults,	60 60
Rent of telephones,	40 00
Clearing snow from walks,	335 42
Disinfectant powder,	25 00
Insurance,	900 00
Traveling expenses,	77 55

For Models for High School,	13	77	
Binding books,	127	25	
Washing towels,	22	61	
Hacks and horse hire,	27	00	
Trees,	9	75	
Taking school census,	144	00	
Heating apparatus for Dix Street School-			
house,	\$2,525	00	
Repairs on Dix Street			
School-house,	3,299	22	5,824 22
			<hr/>
Total, as per item No. 3 of Expenses,			\$241,505 74

School-houses.

Balance, November 30, 1886,	\$4,357	39	
Appropriation,	20,000	00	
			<hr/>
			\$24,357 39

RECEIVED.

For Brick and lumber from Adams square,	\$37 00	
	<hr/>	
As per item No. 23 of Receipts,		\$37 00
		<hr/>
		\$24,394 39

EXPENDED.

FOR LEDGE STREET SCHOOL-HOUSE:—

Contract, paid D. W.			
Haskins,	\$5,392	42	
Engineering,		81	
Fuel,	82	64	
Brick,	48	75	
Insurance,	68	00	
Heating apparatus,	416	25	
Castings,	8	72	
Stone steps,	7	50	
Trucking and freight,	7	98	
Hack hire,	4	00	
Grading and building wall,	635	50	
Furniture,	1,178	45	
Extra labor,	28	20	
			<hr/>

\$7,879 22

FOR ADAMS SQUARE SCHOOL-HOUSE:—

Engineering,	\$34 37	
Advertising,	18 75	
Heating apparatus,	750 00	
Foundation,	2,223 38	
Plans and specifications,	305 00	
Brick,	1,326 40	
Cement,	60 72	
Contract, paid E. M. Nichols,	6,735 83	
Hack hire,	2 50	
Sewer,	24 00	
Grading and building wall,	519 36	
Clocks,	20 00	
Insurance,	94 50	
	<hr/>	\$12,114 31

FOR JAMESVILLE SCHOOL-HOUSE:—

Engineering,	\$9 93	
Advertising,	15 25	
Land,	400 00	
Plans, specifications, etc.,	63 37	
Contract, paid E. M. Nichols,	2,154 95	
Building fence,	365 40	
Grading,	136 50	
Insurance,	29 25	
Furniture,	189 80	
	<hr/>	\$3,364 45

Total, as per item No. 31 of Expenses,	\$23,357 98
--	-------------

Balance, November 30, 1887,	\$1,036 41
-----------------------------	------------

Sewer Assessments.

Balance uncollected, November 30, 1886,	\$8,929 51
Amount assessed since November 30, 1886,	43,378 88

	\$52,308 39
Abated since November 30, 1886,	507 00
	<hr/>
	\$51,801 39

RECEIVED.

From sundry persons, as per item No. 24 of Receipts, and transferred to Sinking Fund,	\$39,883 01	
		\$39,883 01
Balance uncollected, Nov. 30, 1887,		\$11,918 38

Sewers : Construction.

Appropriation,	\$65,000 00	
Amount transferred from Liquor Licenses, 5,000 00		
		\$70,000 00

RECEIVED.

For Materials sold,	\$256 60	
Use of tools,	7 00	
Labor and trucking,	21 50	
Damage to pipe,	1 50	
Wages not called for,	4 62	
Total, as per item No. 25 of Re- ceipts,		\$291 22
		\$70,291 22

EXPENDED.

For Salary of R. H. Chamberlain, Supt. (in part),	\$1,133 36
Laborers, as per pay-rolls,	36,350 46
Engineering,	1,364 29
Freight, trucking, express, and tel- egrams,	1,227 79
Manhole and catch-basin covers,	3,622 84
Inlets and border stone,	1,224 30
Sewer-pipe, sand, and cement,	15,728 93
Brick,	6,507 42
Hardware and tools,	281 13
Powder and fuse,	481 85
Blacksmithing,	2 30
Oil, lanterns, globes, etc.,	29 58
Lumber and carpenter work,	505 86

For Use of excavator,	264 00	
Fuel,	74 30	
Hack hire,	20 00	
Rent of land for storage,	25 00	
Boston & Albany R. R. Co. for shoring up track,	43 25	
Advertising,	20 25	
Iron and steel,	81 94	
Printing and clerical work,	165 83	
Cordage and waste,	12 33	
Hose,	48 75	
Repairs of pipe and fittings,	29 75	
Stationery,	2 60	
Diaphragms,	13 11	
Paving,	146 51	
Land, paid Joseph Sargent,	425 00	
		<hr/>
Total, as per item No. 32 of Ex- penses,		\$69,832 73
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$458 49

Sewers : Construction. Special Order, 1885.

Amount, November 30, 1886,	\$1,456 71	
		<hr/>
		\$1,456 71

EXPENDED.

For Laborers, as per pay-rolls,	\$108 00	
Engineering,	594 54	
Traveling expenses,	97 00	
Copying report,	4 20	
Copying surveys,	11 75	
Horse-keeping, hack and horse hire,	120 60	
Rubber boots,	8 00	
Measures, tunnels, etc.,	14 90	
Lumber,	72	
Tools,	1 19	
Amount transferred to Sewer Main- tenance,	495 81	
		<hr/>
Total, as per item No. 33 of Ex- penses,		\$1,456 71

Sewers: Maintenance.

Appropriation,	\$12,000
	<hr/>
	\$12,000 00

RECEIVED.

For Labor, materials, etc.,	\$68 46
Use of engine,	14 00
Amount transferred from Sewers, Construction, special order, 1885,	495 81
	<hr/>
Total, as per item No. 26 of Re- ceipts,	\$578 27
	<hr/>
	\$12,578 27

EXPENDED.

For Laborers, as per pay-rolls,	\$6,440 23
Salary of R. H. Chamberlain, Supt. (in part),	566 64
Engineering,	355 83
Engineering plans,	353 41
Trucking, freight, and telegrams,	554 81
Oil,	3 65
Rent for storage,	450 00
Labor of men and teams,	1,411 30
Blacksmithing,	10 45
Cordage,	21 13
Sewer-pipe, cement and sand,	27 17
Hack and horse hire,	3 00
Hardware and tools,	56 79
Traveling expenses,	50 12
Printing,	22 75
Blank books and stationery,	17 80
Catch-basin covers,	761 56
Paint,	1 35
Disinfectant,	28 34
Lumber and carpenter work,	10 00
Paving,	19 00
Purification of sewage, Act of 1886:	
Laborers,	\$18 00
Engineering,	77 99
“ plans,	140 48

For Traveling expenses,	123 34	
Hack and horse hire,	39 70	
Francis Plunkett, profes- sional services,	125 00	
David O'Connell, profes- sional services,	125 00	
Refreshments for Legis- lative Committee,	21 75	
Maps of Blackstone valley,	4 50	
Analysis of sewage,	100 00	
	<hr/>	\$775 76

Total, as per item No. 34 of Expenses, \$11,941 09

Balance unexpended, transferred to Sink-
ing Fund, \$637 18

Sidewalk Assessments.

Balance uncollected, Nov. 30, 1886,	\$4,100 42	
Amount assessed to Nov. 30, 1887,	8,331 23	
	<hr/>	\$12,431 65

RECEIVED.

From sundry persons, for assessments, as per item No. 27 of Receipts, and transferred to Highway Department, by order of City Council,	<hr/>	\$8,630 96
		<u>\$8,630 96</u>

Balance uncollected, Nov. 30, 1887, \$3,800 69

Sinking Fund, No. 1: General Debt, 1875.

Balance, November 30, 1886, \$320,139 48

RECEIVED.

Amount of contributions and interest on
investments, as per report of
Commissioners, on account of
Fund No. 1.

Total, as per item No. 35 of Expenses, \$72,384 98

\$392,524 46

EXPENDED.

For Certificates of indebtedness, maturing in 1887, cancelled,	\$23,000 00
Premiums and interest on investments purchased, as per report of Commissioners, on account of Fund No. 1,	517 50
Total, as per item No. 28 of Receipts,	<u>\$23,517 50</u>
Balance, November 30, 1887,	<u>\$369,006 96</u>

Sinking Funds, Nos. 2 to 21: Special, 1876 to 1886.

Balance, November 30, 1886, viz. :—

No. 2.	Water Loan, 1876,	\$26,076 26
3.	Lynde Brook Damages, 1877,	100,545 71
4.	Lynde Brook Damages, 1878,	54,053 62
5.	Lynde Brook Damages, 1879,	32,614 37
6.	Island Sewer, 1879,	43,417 88
7.	Foster Street, 1879,	82,326 94
8.	Island Sewer, 1880,	9,508 47
9.	Foster Street, 1880,	19,148 61
10.	Island Sewer, 1881,	14,562 84
11.	City Hospital Building, 1881,	18,576 27
12.	Lynde Brook Damages, 1882,	12,932 75
13.	Jaques Forfeiture, 1882,	10,218 47
14.	City Hospital Building, 1882,	15,103 12
15.	Sewer Loan, 1883,	10,843 58
16.	Summer Street Loan, 1883,	33,947 71
17.	Sewer Loan, 1884,	8,588 68
18.	Water Loan, 1884,	22,729 31
19.	Sewer Loan, 1885,	14,255 66
20.	Water Loan, 1885,	5,864 35
21.	Sewer Loan, 1886,	5,392 83
		<u>\$540,707 43</u>

RECEIVED.

Amount of contributions, premiums and interest on investments, as per report of Commissioners, as follows :—

On account of Funds Nos. 2 to 21 inclusive, \$95,835 53

As per item No. 36 of Expenses, \$95,835 53

\$636,542 96

EXPENDED.

For Certificates of indebtedness maturing in 1887, cancelled,
Sinking Fund No. 3, 1877, \$100,000 00

Premium and interest on investments purchased, as per report of Commissioners, on account of Funds Nos. 2 to 21, inclusive, 1,897 98

Total, as per item Nos. of Receipts,	{	29.	\$101,229 03
		30.	35 20
		31.	401 50
		32.	232 25

\$101,897 98

Balances, November 30, 1887, viz. :—

No. 2.	Sinking Fund, 1876,	\$30,283 24
4.	“ “ 1878,	61,821 66
5.	“ “ 1879,	37,274 51
6.	“ “ 1879,	49,397 35
7.	“ “ 1879,	94,032 04
8.	“ “ 1880,	11,124 60
9.	“ “ 1880,	22,389 00
10.	“ “ 1881,	17,394 74
11.	“ “ 1881,	22,176 05
12.	“ “ 1882,	15,887 51
13.	“ “ 1882,	12,549 67
14.	“ “ 1882,	18,567 63
15.	“ “ 1883,	13,926 56
16.	“ “ 1883,	42,633 22
17.	“ “ 1884,	11,787 70
18.	“ “ 1884,	31,221 85

No. 19. Sinking Fund, 1885,	21,719 52
20. " " 1885,	9,154 67
21. " " 1886,	11,303 46
	<hr/>
Balances November 30, 1887,	\$534,644 98

State Aid : Old Account.

Balance due from the State, November 30, 1886,	\$6,060 37
	<hr/>
Balance due from the State, November 30, 1887,	\$6,060 37

State Aid : New Account.

Balance due from the State, November 30, 1886,	\$11,154 75
---	-------------

EXPENDED.

Paid Soldiers and their families, from December 1, 1886, to Novem- ber 30, 1887,	
Total, as per item No. 37 of Ex- penses,	\$5,027 50
	<hr/>
	\$16,182 25

RECEIVED.

Amount allowed by State Auditor, on 1885 account, as per item No. 33 of Receipts,	\$6,078 50
	<hr/>
	\$6,078 50
	<hr/>
Balance due from the State, Nov. 30, 1887,	\$10,103 75

Street Construction.

Appropriation,	\$45,000 00
	<hr/>
	\$45,000 00

EXPENDED.

For Engineering,	\$234 31	
Traveling expenses,	6 10	
Hack hire,	13 00	
Clerical labor,	3 15	
Printing,	5 75	
Bound stones and setting,	265 27	
Labor on bridges,	37 60	
	<hr/>	\$565 18
FOR ABBOTT STREET :		
Grading,		\$162 15
FOR ASSONET STREET :		
Engineering,		\$11 90
FOR BELLEVUE STREET :		
Engineering,		\$13 41
FOR BIGELOW STREET :		
Engineering,	\$15 79	
Grading,	154 85	
	<hr/>	\$170 64
FOR CRYSTAL STREET :		
Land, paid Joseph P. Thompson,		\$254 77
FOR ELLIOTT STREET—EXTENSION :		
Engineering,		\$15 09
FOR FRANKLIN STREET BRIDGE :		
Engineering,	\$276 04	
Traveling expenses,	5 15	
Telegrams,	25	
Advertising,	39 50	
Webb & Batchelder, on		
contract,	8,917 64	
Grading,	5,039 53	
A. G. Mann, inspecting		
work,	108 00	
Rent of land for storage,		
paid Trumbull heirs,	125 00	
Photographs,	10 00	
	<hr/>	\$14,521 11

FOR GARDNER STREET :		
Engineering,		\$3 51
FOR GOLD STREET—EXTENSION :		
Engineering,		\$2 25
FOR GREEN LANE :		
Grading,		\$462 49
FOR HANCOCK STREET :		
Engineering,		\$24 65
FOR HARRISON STREET :		
Land damages, paid estate of George Crompton,		\$1,086 22
FOR HAWLEY STREET :		
Engineering,		\$3 87
FOR HERMON STREET BRIDGE :		
Masonry, etc., paid New York and New Eng- land R. R. Co.,	\$1,325 85	
Grading,	1,332 95	
	<hr/>	\$2,658 80
FOR HOLDEN STREET :		
Grading,		\$452 65
FOR HOLLYWOOD STREET :		
Engineering,	\$2 90	
Grading,	150 15	
	<hr/>	\$153 05
FOR JO BILL ROAD :		
Engineering,	\$26 13	
Grading,	2,150 57	
	<hr/>	\$2,176 70
FOR JOHN STREET :		
Land damages, paid John Doyle,	\$359 31	
Land damages, paid Patrick D. Sullivan,	162 33	
Legal costs,	10 95	
	<hr/>	\$532 59

FOR KENDALL STREET :

Engineering,	\$2 24
--------------	--------

FOR KING STREET ;

Engineering,	\$10 04
Grading,	133 70

\$143 74

FOR KINGSBURY STREET :

Engineering,	\$2 16
--------------	--------

FOR LANCASTER STREET :

Paid H. B. and J. M.
Eames, for damage to
estate,

\$229 80

FOR LEICESTER STREET :

Engineering,	\$4 43
Grading,	469 76

\$474 19

FOR LODI STREET :

Engineering,	\$9 87
Grading,	464 73

\$474 60

FOR MAYWOOD STREET :

Engineering,	\$21 33
Grading,	574 13

\$595 46

FOR MENDON STREET :

Engineering,	\$21 96
--------------	---------

FOR NEW STREET (from East Central Street) :

Engineering,	\$3 88
--------------	--------

FOR NORFOLK STREET :

Engineering,	\$12 80
Grading,	435 80

\$448 60

FOR NORWOOD STREET :

Engineering,	\$10 27
Grading,	390 19

\$400 46

FOR RUSSELL STREET :

Engineering,	\$19 44
--------------	---------

FOR SILVER STREET :

Engineering,	\$4 41
Grading,	51 22

\$55 63

FOR SOUTHBRIDGE STREET :

Land damages, paid T. Moran,	\$50 00
Land damages, paid F. H. Cutler,	75 00

\$125 00

FOR TOWNSEND STREET :

Engineering,	\$13 28
--------------	---------

FOR TUFTS STREET :

Engineering,	\$33 69
--------------	---------

FOR VERNON STREET :

Engineering,	\$1 62
Land, paid D. McCarthy,	47 55

\$49 17

FOR WARD STREET :

Land damages, paid— Catherine Hanlon and Bridget Conlin,	\$928 74
Mason H. Morse,	802 03
Ann Hopkins and John T. Hopkins,	379 09
Harvey M. Bancroft,	109 89

\$2,219 75

FOR WINDSOR STREET :

Engineering,	\$36 01
Total, as per item No. 38 of Expenses,	<u>\$28,620 09</u>
Balance unexpended,	\$16,379 91
Amount transferred to Sinking Fund,	<u>\$901 02</u>
Balance, Nov. 30, 1887,	\$15,478 89

Taxes 1877 to 1886.

Balances uncollected, Nov. 30, 1886,	
Taxes of 1877,	\$4,430 92
“ “ 1878,	5,118 94
“ “ 1879,	4,905 44
“ “ 1880,	6,206 07
“ “ 1881,	6,418 40
“ “ 1882,	5,888 19
“ “ 1883,	5,782 74
“ “ 1884,	6,345 50
“ “ 1885,	6,900 50
“ “ 1886,	32,121 40
	<u>\$84,118 10</u>

Amount assessed for 1887, viz. :

State Tax,	\$69,052 50
County Tax,	41,030 00
City Tax,	969,535 21
	<u>\$1,079,617 71</u>
	<u>\$1,163,735 81</u>

Less amount abated per certificates
of Assessors, viz. :

Taxes of 1877,	\$4,430 92
“ “ 1878,	5,114 94
“ “ 1879,	4,903 44
“ “ 1880,	6,204 07
“ “ 1881,	6,412 40
“ “ 1882,	5,879 19
	<u>\$32,944 96</u>
	<u>\$1,130,790 85</u>

RECEIVED.

From Sundry Persons, as per items, Nos. 34 and 37, of Receipts,	\$1,050,302 47
Amount uncollected Nov. 30, 1887 :	
Taxes of 1883,	\$5,769 74
" " 1884,	6,303 88
" " 1885,	6,736 20
" " 1886,	6,612 00
" " 1887,	55,066 56
	<hr/>
	\$80,488 38

Taxes, 1886 : Corporation.

Amount due from the Commonwealth, prior to Nov. 30, 1886,	\$1,281 27
Due from the Commonwealth, Dec. 1, 1886,	84,790 13
	<hr/>
	\$86,071 40

RECEIVED.

From the Commonwealth, as per item No. 35 of Receipts,	\$84,536 57
	<hr/>
Balance due from the State,	\$1,534 83

Taxes, 1886 : County.

Balance due the County, Nov. 30, 1886,	\$21,050 00
	<hr/>
	\$21,050 00

EXPENDED.

Amount paid to County Treasurer, as per item No. 39 of Expenses,	\$21,050 00
	<hr/>
	\$21,050 00

Taxes, 1886 : National Bank, State Account.

RECEIVED.

Amount from State Treasurer, as per item No. 36 of Receipts,	\$8,334 72
	<hr/>
	\$8,334 72

EXPENDED.

Amount paid State Treasurer, as per item		
No. 40 of Expenses,	\$28,705 50	
	<hr/>	\$28,705 50

Taxes, 1886 : State.

Amount assessed for State Tax,	\$46,035 00	
	<hr/>	\$46,035 00

EXPENDED.

Amount paid State Treasurer, as per item		
No. 41 of Expenses,	\$46,035 00	
	<hr/>	\$46,035 00

Taxes, 1887 : County.

Amount assessed for 1887,	\$41,030 00	
	<hr/>	\$41,030 00

EXPENDED.

Amount paid County Treasurer, as per		
item No. 42 of Expenses,	\$20,515 00	
	<hr/>	
Balance due the County, Nov. 30, 1887,		\$20,515 00

Water Works : Construction.

Appropriation,	\$35,000 00	
	<hr/>	\$35,000 00

RECEIVED.

From Sundry persons for service pipe,		
meters, labor, etc.,	\$19,678 03	
	<hr/>	
As per item No. 38 of Receipts,		\$19,678 03
		<hr/>
		\$54,678 03

EXPENDED.

For Salary of J. G. Brady, Commissioner

(in part),	\$1,558 33
Laborers, as per pay-rolls,	13,123 22
Clerical labor,	586 42
Meters, couplings, etc., paid Union	
Water Meter Co.,	9,810 25
Meters, couplings, etc., paid	
W. E. Desper & Co.,	926 22
Hydrants, water gates and valves,	2,372 39
Iron pipe and freight on same,	14,426 51
Trucking, express and telegrams,	379 90
Lead pipe and lead,	632 93
Pipe, fittings, etc.,	3,680 10
Blacksmithing,	83 58
Powder and fuse,	80 00
Cement, sand and sewer pipe,	84 01
Packing and cordage,	49 70
Castings,	355 66
Transportation of men, and car tickets,	51 00
Traveling expenses,	84 61
Fuel,	2 00
Meters frozen, paid sundry persons,	6 00
Meters,	12 90
Plumbing,	94 57
Abatements on sundry bills,	39 45
Hack hire,	10 00
Lumber,	13 56
Paving,	697 25
Engineering,	4 62
Drinking fountain,	268 00
Stamps and stationery,	18 42
<hr/>	
Total, as per item No. 43 of Expenses,	\$49,451 60
<hr/>	
Balance unexpended, transferred	
to Sinking Fund,	\$5,226 43

Water Works, Construction: New Supply.

Balances November 30, 1886,	\$60,019 83
<hr/>	
	\$60,019 83

EXPENDED.

For legal expenses, paid Geo. D. Robinson,	\$500 00	
Legal costs,	1 35	
Services on water cases, paid Thos. Harrington,	459 80	
Consulting engineers,	346 33	
Clerical labor, in water cases,	346 03	
Engineering,	139 12	
Hack hire,	21 00	
Refreshments,	26 55	
<hr/>		
Total, as per item No. 44 of Expenses,	\$1,840 18	
Balance, November 30, 1887,	\$58,179 65	

Water Works : Maintenance.

RECEIVED.

For assessments for water, 1886,	\$13,049 70	
“ “ “ 1887,	116,560 28	
<hr/>		
Total, as per item No. 39 of Receipts,	\$129,609 98	
Less amount transferred to Interest on Water Loan,	\$28,948 00	
<hr/>		
	\$28,948 00	
<hr/>		
	\$100,661 98	

EXPENDED.

For Salary of Geo. E. Batchelder, Registrar,	\$1,400 00	
Salary of J. G. Brady, Commissioner (part),	141 67	
Laborers, as per pay-rolls,	20,039 38	
Clerical labor,	1,030 74	
Canvassing,	311 25	
Care of reservoir,	200 00	
Meters and repairs of same, paid Union Water Meter Co.,	1,008 90	
Labor of men and teams,	95 95	
Lumber and carpenter work,	9 78	
Pipe, fittings, etc.,	595 22	

For Sewer pipe, cement and sand,	132 11
Rubber goods,	11 65
Hardware, tools and repairs of same,	459 26
Blacksmithing,	200 77
Lanterns, globes, oil, etc.,	158 40
Trucking, freight, express and tele-grams,	384 97
Rent of telephones,	70 00
Blank-books, stamps and stationery,	264 29
Harness, blankets and repairs of same,	112 35
Hay, grain and straw,	274 51
Hack and horse hire,	149 50
Waste, packing and cordage,	127 05
Water gates, hydrants, etc.,	1,891 83
Taxes in Leicester,	92 00
Taxes in Holden,	416 95
Fuel,	242 45
Gas,	54 42
Printing,	263 62
Engineering,	7 33
Abatements on water-rates,	67 73
Castings,	1,018 44
Traveling expenses,	2 50
Lead and lead pipe,	1,007 80
Iron and steel,	77 59
Paving,	10 00
Iron pipe and freight on same,	17,356 99
Medical attendance on horses,	36 32
Magneto bells,	34 50
Repairs of gauge and supply of charts for instruments,	17 00
Lumber,	131 31
Horse-car fares,	9 75
Horses,	185 00
Furniture and bedding,	24 35
Plumbing,	49 96
Advertising,	12 00
Gravel and wall stone,	14 62
Repairs of wagons,	48 95
Repairs on buildings,	1,144 34
Refreshments for Committee,	23 00
Meters, National Meter Co.,	99 00
Knowles pump and repairs,	180 00
Hose and couplings,	71 96

For Damages caused by break of water pipe, paid sundry persons,	63 45
Damage by water, paid Lamb & Lord,	20 00
Damage to hack, paid Geo. P. Eames,	10 00
Damage from blasting, paid J. J. Higgins,	5 40
Balance of contract, paid Chas. A. King,	300 00
Manure,	28 50
Legal costs, Blackstone mill owners vs. city of Worcester,	288 45
	<hr/>
	\$52,485 26
 New barn, engineering,	14 91
New barn, labor,	309 43
Brick, and laying same,	1,162 64
Iron and hardware,	120 30
Lumber,	541 38
Stone,	344 45
Slating roof,	133 82
Painting,	86 09
	<hr/>
	\$2,713 02
	<hr/>
 Total, as per item No. 45 of Ex- penses,	 \$55,198 28
	<hr/>
Balance unexpended, transferred to Sinking Fund,	 \$45,463 70
	<hr/>
<i>Balances Unexpended, transferred to Sinking Fund.</i>	
 From Board of Health,	\$99 75
City Hall,	316 72
City Hospital,	2,232 61
Fire Department,	1,628 04
Free Public Library,	2 90
Highway Department,	782 41
Incidental Expenses,	421 02
Interest,	4,771 56
Lighting streets,	2,527 68
Pauper Department, City Relief,	4,055 25
" " Farm,	1,995 31
" " Truant School,	384 85

From Police Department,	6,113	14
Parks-Commission,	19	95
Salaries,	1,019	68
Sewers, Construction,	458	49
“ Maintenance,	637	18
Street Construction,	901	02
Water Works, Construction,	5,226	43
Water Works, Maintenance,	45,463	70
		<hr/>
		\$79,057 69
From Sewer Assessments,	\$39,883	01
Real Estate Sales,	13,000	00
		<hr/>
		\$52,883 01
		<hr/>
Total,		\$131,940 70

City Debt.*November 30, 1887.****Funded City Loan.***

Due April 1, 1891 (Int. 4 per cent.),	\$35,000	00
Jan. 1, 1892 “ “ “ “	30,000	00
“ 1, 1892 “ “ “ “	23,400	00
April 1, 1892 “ “ “ “	35,000	00
“ 1, 1893 “ “ “ “	90,000	00
“ 1, 1905 “ “ “ “ ren'l,	500,000	00
		<hr/>
		\$713,400 00
Due Jan. 1, 1888 (Int. 5 per cent.),	\$60,000	00
“ 1, 1889 “ “ “ “	40,000	00
April 1, 1889 “ “ “ “	100,000	00
“ 1, 1890 “ “ “ “	30,000	00
“ 1, 1905 “ “ “ “ ren'l,	100,000	00
“ 1, 1905 “ “ “ “ ren'l,	100,000	00
		<hr/>
		\$430,000 00
Due April 1, 1892 (Int. 6 per cent.),	\$800,000	00
		<hr/>
		\$800,000 00
		<hr/>
Total,		\$1,943,400 00

Funded Sewer Loan.

Due Jan. 1, 1901 (Int. 4 per cent.),	\$55,000 00
“ 1, 1903 “ “ “ “	65,000 00
“ 1, 1904 “ “ “ “	70,000 00
“ 1, 1905 “ “ “ “	180,000 00
“ 1, 1906 “ “ “ “	145,000 00
	<hr/>
	\$515,000 00
Due April 1, 1905 (Int. 4½ per cent.),	
renewal,	\$140,000 00
	<hr/>
	\$140,000 00
Due Jan. 1, 1899 (Interest 5 per cent.),	\$100,000 00
“ 1, 1900 “ “ “ “	30,000 00
	<hr/>
	\$130,000 00
	<hr/>
Total,	\$785,000 00

Funded Water Loan.

Due June 1, 1905 (Int. 3½ per cent.),	
renewal,	\$100,000 00
Due June 1, 1905 (Int. 3½ per cent.),	
renewal,	50,000 00
	<hr/>
	\$150,000 00
Due April 1, 1914 (Int. 4 per cent.),	\$250,000 00
“ 1, 1915 “ “ “ “	100,000 00
	<hr/>
	\$350,000 00
Due Dec. 1, 1906 (Int. 5 per cent.),	\$100,000 00
	<hr/>
	\$100,000 00
Due June 1, 1888 (Int. 6 per cent.),	\$3,000 00
Dec. 1, 1890 “ “ “ “	50,000 00
June 1, 1891 “ “ “ “	2,300 00
	<hr/>
	\$55,300 00
	<hr/>
Total,	\$655,300 00

Recapitulation.

Loans, Funded City,	\$1,943,400 00
“ “ Sewer,	785,000 00
“ “ Water,	655,300 00
	<hr/>
	\$3,383,700 00

LIABILITIES AND CASH ASSETS,

November 30, 1887.

Liabilities.

Loans, Funded City,	\$1,943,400 00
“ “ Sewer,	785,000 00
“ “ Water,	655,300 00
	<hr/>
	\$3,383,700 00
One-half County Tax of 1887,	\$20,515 00
State Tax,	46,035 00
National Bank Tax, State account, 1887,	27,356 89
Collector's sales, Surplus account,	32 74
Interest coupons, not presented for pay- ment, viz. :	
Funded City Loan (2d series),	330 00
“ “ “ (3d series),	185 00
	<hr/>
	\$94,464 63
	<hr/>
	\$3,478,164 63

Cash Assets.

350 Shares Fitchburg Railroad Co. Stock, at par value,	\$35,000 00
Due from Commonwealth, for State Aid, old account,	6,060 37
Due from Commonwealth, for State Aid, new account,	10,103 75
Due from Commonwealth, for Corpora- tion Tax,	99,609 56
Due from Commonwealth, for National Bank Tax, State account,	10,110 94

Due from Commonwealth, for Military Aid, one-half expense,	698 50	
Due Taxes uncollected, 1883 to 1887, inclusive,	80,488 38	
Assessments for Sewers and Drains,	11,918 38	
“ Sidewalks,	3,800 69	
Due on City Hospital account,	177 85	
“ Fire Department account,	120 87	
“ Highway Department account,	2,136 88	
“ Incidental Expense account,	35 60	
“ Pauper Department, City Relief account,	348 78	
Due on Real Estate, Lien account,	39 83	
“ Street Construction account,	500 00	
“ Water Works, Construction account,	3,934 81	
Due on Water Works, Maintenance account,	3,966 05	
Cash in Treasury,	512,695 36	
Amount in hands of Commissioners of Sinking Funds,	903,651 94	
		<hr/>
		\$1,685,398 54
Liabilities over cash assets,		<hr/>
		\$1,792,766 09

Ledger Balances.

Nov. 30, 1887.

	DR.	CR.
Fitchburg Railroad Co., 350 Shares Stock, par value,	\$35,000 00	
Collector's sales, Surplus account;		\$32 74
Loans, Funded City,		1,943,400 00
“ “ Sewer,		785,000 00
“ “ Water,		655,300 00
Real-Estate sales,		13,000 00
“ Lien account,	39 83	
Sewer Assessments,		39,883 01
Sinking Fund, No. 1, 1875, General Debt,	369,006 96	
Sinking Fund, No. 2, 1876, Water,	30,283 24	
Sinking Fund, No. 4, 1878, Lynde Brook Damages,	61,821 66	

Sinking Fund, No. 5, 1879, Lynde Brook Damages,	37,274	51	
Sinking Fund, No. 6, 1879, Island Sewer,	49,397	35	
Sinking Fund, No. 7, 1879, Foster Street,	94,032	04	
Sinking Fund, No. 8, 1880, Island Sewer,	11,124	60	
Sinking Fund, No. 9, 1880, Foster Street,	22,389	00	
Sinking Fund, No. 10, 1881, Island Sewer,	17,394	74	
Sinking Fund, No. 11, 1881, City Hospital Building,	22,176	05	
Sinking Fund, No. 12, 1882, Lynde Brook Damages,	15,887	51	
Sinking Fund, No. 13, 1882, Jaques Forfeiture,	12,549	67	
Sinking Fund, No. 14, 1882, City Hospital Building,	18,567	63	
Sinking Fund, No. 15, 1883, Sewer Loan,	13,926	56	
Sinking Fund, No. 16, 1883, Summer Street,	42,633	22	
Sinking Fund, No. 17, 1884, Sewer Loan,	11,787	70	
Sinking Fund, No. 18, 1884, Water Loan,	31,221	85	
Sinking Fund, No. 19, 1885, Sewer Loan,	21,719	52	
Sinking Fund, No. 20, 1885, Water Loan,	9,154	67	
Sinking Fund, No. 21, 1886, Sewer Loan,	11,303	46	
State Aid, old account,	6,060	37	
State Aid, new account,	10,103	75	
Taxes, Corporation,	99,609	56	
“ County,			20,515 00
“ National Bank, State account,			17,245 95
“ State,			69,052 50
“ City, 1883 to 1887, inclusive,	80,488	38	
City Treasury,	512,695	36	
City of Worcester,	1,895,780	01	

\$3,543,429 20 \$3,543,429 20

T A B L E

SHOWING THE VALUATION, TAXES, RATE OF TAXATION, PROPERTY EXEMPT FROM TAXATION, AND DEBT OF THE CITY OF WORCESTER, FROM A. D. 1876 TO 1887.

Year.	Valuation.	Municipal Taxes.	State Tax.	County Tax.	Total Tax.	Tax Rate per \$1,000.	Property exempt from Taxation.	Net Debt at close of the Finan'l Year.
1876	\$48,219,397 00	\$ 654,672 93	\$ 51,318 00	\$ 34,570 15	\$ 740,561 08	\$14 80	\$ 1,980,400 00	\$ 2,342,141 96
1877	45,676,655 00	622,825 91	42,765 00	55,312 25	720,903 16	15 20	2,131,100 00	2,288,861 02
1878	41,969,748 00	593,696 87	28,510 00	51,855 24	674,062 11	15 40	2,042,700 00	2,343,621 41
1879	39,585,358 00	585,063 34	14,255 00	46,496 85	645,815 19	15 60	1,973,500 00	2,355,163 64
1880	41,006,862 00	660,708 39	42,765 00	41,484 00	744,957 39	17 40	2,008,400 00	2,265,914 50
1881	42,606,539 00	670,601 36	42,765 00	34,570 00	747,936 36	16 80	2,046,600 00	2,180,551 12
1882	45,504,512 00	732,240 02	57,020 00	38,027 00	827,287 02	17 40	2,046,600 00	2,207,503 62
1883	48,570,735 00	793,233 14	41,940 00	37,504 00	872,677 14	17 20	2,135,300 00	2,369,877 25
1884	50,773,475 00	789,068 70	55,920 00	34,171 00	879,159 70	16 60	2,202,800 00	2,428,144 83
1885	52,714,391 00	934,276 10	41,940 00	38,338 00	1,014,554 10	18 00	2,347,200 00	2,394,914 64
1886	54,566,389 00	961,846 30	46,035 00	42,100 00	1,049,981 30	18 00	2,429,800 00	2,209,816 34
1887	59,465,575 00	969,535 21	69,052 50	41,030 00	1,079,617 71	17 00	2,955,100 00	1,967,352 70

SCHEDULE OF CITY PROPERTY.

NOVEMBER 30, 1887.

In charge of the following Persons and Departments.

CITY ENGINEER:—

Personal Property,	\$1,300 00
--------------------	------------

COMMISSIONERS OF PUBLIC PARKS:—

Personal Property,	\$1,000 00
--------------------	------------

COMMITTEE ON LIGHTING STREETS:—

614 Gas Lanterns, 1487 Gasoline Lamps, with Buildings and Fixtures,	\$28,800 00
--	-------------

COMMITTEE ON PUBLIC BUILDINGS:—

District Court and Police Building,	\$27,000 00
7,256 feet of land, at \$1.62 per foot,	11,754 72
	<hr/>
	\$38,754 72

DIRECTORS FREE PUBLIC LIBRARY:—

Library Building,	\$28,000 00
9,902 feet of land, at \$2.00 per foot,	19,804 00
	<hr/>
	\$47,804 00
Personal Property,	35,000 00
	<hr/>
	\$82,804 00

FIRE DEPARTMENT:—

Beacon Street.

8,000 feet of land at 30 cents per foot,	\$2,400 00
Engine House,	5,400 00
	<hr/>
	\$7,800 00

Bigelow Court.

5,310 feet of land, at \$1.50 per foot,	\$7,965 00
Engine House,	12,000 00
	<hr/>
	\$19,965 00

Exchange Street.

500 feet of land, at 2.00 per foot,	\$1,000 00	
Engine House,	<u>1,800 00</u>	
		\$2,800 00

Grafton Street. (On School-house Lot).

Engine House,		\$4,000 00
---------------	--	------------

Lamartine Street.

6,827 feet of land, at 15 cents per foot,	\$1,024 05	
Engine House,	<u>5,000 00</u>	
		\$6,024 05

Myrtle Street.

1,374 feet of land, at 90 cents per foot,	\$1,212 30	
Engine House,	<u>2,700 00</u>	
		\$3,912 30

New Worcester.

Land,	\$500 00	
Engine House,	<u>1,500 00</u>	
		\$2,000 00

Pleasant Street.

6,106 feet of land, at 14 cents per foot,	\$854 84	
Engine House,	<u>8,100 00</u>	
		\$8,954 84

School Street.

7,688 feet of land, at 50 cts. per foot,	\$3,844 00	
Engine House,	<u>4,500 00</u>	
		\$8,344 00

South Worcester Hose House.

6,250 feet of land,	\$832 00	
Hose House,	<u>7,000 00</u>	
		\$7,832 00

Thomas Street.

Land,	\$7,000 00	
Engine House,	<u>4,500 00</u>	
		\$11,500 00

Woodland Street.

5,382 feet of land,	\$1,200 00	
Hose House,	5,500 00	
	<hr/>	\$6,700 00

John Street.

1,836 feet of land, at 50 cts. per foot,	\$918 00	
Engine House,	4,000 00	
	<hr/>	\$4,918 00

Prescott Street. (Leased land).

Engine House,	\$10,000 00	
	<hr/>	\$104,750 19

Personal Property.

Four Steamers,	\$12,500 00	
Fourteen Hose-Carriages,	5,200 00	
Ladder Trucks,	6,000 00	
Other Personal Property, including Fire-Alarm Telegraph,	70,340 00	
	<hr/>	\$94,040 00

Total Personal Property,

TRUSTEES OF CITY HOSPITAL:—

163,836 feet of land, at 12 cents per foot,	\$19,660 32	
Buildings,	86,000 00	
Furniture, Surgical Instruments, etc.,	9,200 00	
	<hr/>	\$114,860 32

HIGHWAY DEPARTMENT:—

50,331 feet of land on Salem street, at 33 cents per foot,	\$16,609 25	
Stables, Sheds, etc.,	10,050 00	
Land and Gravel Pit,	335 00	
Personal Property,	18,459 20	
	<hr/>	\$45,453 45

PAUPER DEPARTMENT:—

Real Estate,	\$85,000 00	
Stock and Tools at the Farm,	12,690 86	
Household Goods,	18,351 03	
Stock, etc., in the Scavenger Department,	10,595 00	
Telephone,	450 00	
	<hr/>	\$127,086 89

POLICE DEPARTMENT:—

Personal Property, under care of City Marshal,	\$3,800 00
Police Station, Lamartine Street House,	12,000 00
10,960 feet of land, at 15 cents per foot,	1,644 00
4,224 35-100 feet of land on Waldo street, at \$2.75 per foot,	11,616 96

\$29,060 96

SCHOOL DEPARTMENT:—

Adams Square School-house,

22,360 feet of land,	\$700 00
House,	15,000 00
	<hr/>
	\$15,700 00

Adriatic School-house, Southgate Street.

25,000 feet of land,	\$2,500 00
New house,	15,000 00
Old house,	3,000 00
	<hr/>
	\$20,500 00

Ash Street School-house.

13,400 feet of land,	\$4,020 00
House,	13,500 00
	<hr/>
	\$17,520 00

Belmont Street School-house.

31,440 feet of land,	\$7,860 00
House,	45,000 00
	<hr/>
	\$52,860 00

Bloomington School-house.

14,000 feet of land,	\$200 00
Houses,	4,700 00
	<hr/>
	\$4,900 00

Burncoat Plain School-house.

21,500 feet of land,	\$200 00
House,	2,500 00
	<hr/>
	\$2,700 00

Chamberlain School-house.

21,780 feet of land,	\$100 00
House,	1,200 00
	<hr/>
	\$1,300 00

Chandler Street School-house.

34,816 feet of land, at 25 cts. per foot,	\$8,704 00	
House,	27,000 00	
	<hr/>	\$35,704 00

Dix Street School-house.

24,000 feet of land,	\$6,000 00	
House,	30,000 00	
	<hr/>	\$36,000 00

East Worcester School-house.

9,060 feet of land,	\$4,530 00	
House,	5,000 00	
	<hr/>	\$9,530 00

Edgeworth Street School-house.

30,760 feet of land,	\$1,538 00	
House,	22,000 00	
	<hr/>	\$23,538 00

Freeland Street School-house.

30,000 feet of land, at 12½ cts. per foot,	\$3,750 00	
House,	24,000 00	
	<hr/>	\$27,750 00

Gage Street School-house.

36,527 feet of land, at 12½ cts. per foot,	\$4,565 87	
House,	27,000 00	
	<hr/>	\$31,565 87

Greendale School-house.

Land,	\$300 00	
House,	2,300 00	
	<hr/>	\$2,600 00

Grafton Street School-house.

24,897 feet of land, at 25 cts. per foot,	\$6,224 25	
House,	10,000 00	
	<hr/>	\$16,224 25

High School-house (Old).

9,487 feet of land,	\$12,333 00	
House,	20,000 00	
	<hr/>	\$32,333 00

High School-house. (New).

31,672 feet of land,	\$41,173 00	
House,	125,000 00	
	<hr/>	\$166,173 00

Jamesville School-house.

Land,	\$400 00	
House,	3,000 00	
	<hr/>	\$3,400 00

Lake View School-house.

15,684 feet of land,	\$400 00	
House,	2,600 00	
	<hr/>	\$3,000 00

Lamartine Street School-house.

48,840 feet of land,	\$9,608 00	
House,	27,000 00	
	<hr/>	\$36,608 00

Ledge Street School-houses.

40,670 feet of land,	\$8,134 00	
House,	30,000 00	
10,200 feet of land,	2,700 00	
House (New),	18,500 00	
	<hr/>	\$59,334 00

Mason Street School-house.

13,200 feet of land,	\$1,980 00	
House,	5,500 00	
	<hr/>	\$7,480 00

Millbury Street School-house.

54,664 feet of land, at 10 cts. per foot,	\$5,266 40	
House,	24,000 00	
	<hr/>	\$29,266 40

Millbury Street School-house (New).

7,000 feet of land, at 8 cents per foot,	\$560 00	
House,	12,000 00	
	<hr/>	\$12,560 00

Monroe District School-house. (Blithewood).

43,560 feet of land,	\$100 00	
House,	1,500 00	
	<hr/>	\$1,600 00

New Worcester School-house.

14,900 feet of land,	\$2,335 00	
House,	9,000 00	
	<hr/>	\$11,335 00

Northville School-house.

34,875 feet of land,	\$500 00	
House,	5,500 00	
	<hr/>	\$6,000 00

North Pond School-house.

20,000 feet of land,	\$300 00	
House,	1,600 00	
	<hr/>	\$1,900 00

Oxford Street School-house.

17,200 feet of land,	\$21,500 00	
House,	30,000 00	
	<hr/>	\$51,500 00

Providence Street School-house.

58,000 feet of land,	\$29,000 00	
House,	18,000 00	
	<hr/>	\$47,000 00

Quinsigamond School-house.

34,500 feet of land,	\$1,725 00	
House,	20,000 00	
	<hr/>	\$21,725 00

Salem Street School-house.

12,555 feet of land,	\$5,022 00	
House,	12,000 00	
	<hr/>	\$17,022 00

South Worcester School-house.

29,187 feet of land,	\$2,918 00	
House,	20,000 00	
	<hr/>	\$22,918 00

Summer Street School-house.

16,083 feet of land,	\$7,320 00	
House,	3,000 00	
	<hr/>	\$10,320 00

Sunnyside School-house.

30,000 feet of land, at 8 cts. per foot,	\$2,400 00	
House,	13,400 00	
	<hr/>	\$15,800 00

Sycamore Street School-house.

12,625 feet of land,	\$9,468 00	
House,	20,000 00	
	<hr/>	\$29,468 00

Tatnuck School-house.

11,500 feet of land,	\$300 00	
House,	5,000 00	
	<hr/>	\$5,300 00

Thomas Street School-house.

23,443 feet of land,	\$15,000 00	
House,	29,751 00	
	<hr/>	\$44,751 00

Trowbridgeville School-house.

5,050 feet of land,	\$75 00	
House,	300 00	
	<hr/>	\$375 00

Union Hill School-house.

11,000 feet of land,	\$1,100 00	
House,	2,000 00	
	<hr/>	\$3,100 00

Valley Falls School-house.

34,428 feet of land,	\$200 00	
House,	7,300 00	

	<hr/>	\$7,500 00
Old School-house and lot,	500 00	
	<hr/>	\$8,000 00

Washington Street School-house.

Land,	\$2,235 00	
House,	9,000 00	
	<hr/>	\$11,235 00

Winslow Street School-house.

25,000 feet of land,	\$5,000 00
House,	29,000 00
	<hr/>
	\$34,000 00

Woodland Street School-houses.

40,000 feet of land,	\$10,000 00
Two houses,	38,000 00
	<hr/>
	\$48,000 00

Total Value of Real Estate,	\$1,039,895 52
Total Value of Personal Property,	116,734 89
	<hr/>

\$1,156,630 41

SEWER DEPARTMENT :—

Personal Property,	\$6,000 00
1,700 feet of land on Hammond Street,	425 00
	<hr/>
	\$6,425 00

WATER DEPARTMENT :—

Real Estate in Leicester, Holden, Bell Pond, and on Thomas street, together with the Reservoir, Pipe, Hydrants, Fixtures and tools—costing	\$1,776,177 96
---	----------------

MISCELLANEOUS :—

Hope Cemetery, 67 Acres.
 Central Park, 7 Acres.
 Crystal Park, 8 877-1000 Acres.
 Elm Park, 28 Acres.
 Institute Park, 18 Acres.
 Quinsigamond Park, 110 Acres.
 37-124ths of North Pond.

SALABLE LANDS :—

56,622 feet of land, East Worcester Street, at 40 cents per foot,	\$22,648 80
24,000 feet of land, Grosvenor and Meade Streets, at 14 cents per foot,	3,360 00
17,612 feet of land, Summer Street, at \$1.00 per foot,	17,612 00
8,063 feet of land, Mechanic Street, at \$1.50 per foot,	12,094 50

40,000 feet of land, Millbury Street, at 10 cents per foot,	4,000 00	
Real Estate (Holden Reservoir),	5,500 00	
	<hr/>	\$65,215 30
City Hall Building,	\$24,000 00	
Furniture, etc., in City Hall,	6,000 00	
City Scales, Lincoln Square,	400 00	
City Scales, New Worcester,	300 00	
City Scales, Salem Square,	400 00	
City Scales, Quinsigamond,	300 00	
City Scales, Southbridge Street,	300 00	
	<hr/>	\$31,700
Total,		<hr/> \$3,704,059 20

REPORT OF THE COMMISSIONERS OF THE CITY SINKING FUNDS.

WORCESTER, MASS., JANUARY 2, 1888.

To the Honorable City Council:—

IN compliance with the provisions of the City Ordinance governing this Commission, the undersigned herewith present a report of their transactions in and about the several funds in their charge for the financial year ending November 30, 1887:—

Balance, December 1, 1886	\$860,846 91
Receipts during the year	168,220 51
	<hr/>
Total	\$1,029,067 42
Payments during the year	125,415 48
	<hr/>
Balance, November 30, 1887	\$903,651 94

The several securities and cash balances belonging to each of the City Sinking Funds have been carefully examined by the undersigned, and found to agree with the account thereof rendered by the Treasurer. Sundry statements, prepared by W. S. Barton, Esq., City Treasurer and Treasurer of this Board, showing the receipts and payments on account of the several funds, together with the investments and cash balances, as carried forward at the end of the financial year, are appended to this report and make a part thereof.

Respectfully submitted,

SAML WOODWARD,
HENRY A. MARSH,
EDWARD L. DAVIS,

Commissioners of the Sinking Funds of the City of Worcester.

OFFICE OF THE CITY TREASURER, }
 WORCESTER, MASS., December 19, 1887. }

To the Commissioners of the City Sinking Funds:—

GENTLEMEN :—The undersigned, as Treasurer of your Board, herewith presents sundry statements, showing, in aggregates and in detail, all cash transactions, relating to the funds in your charge, for the financial year ending November 30, 1887 :—

CITY SINKING FUNDS.

December 1, 1886, to November 30, 1887.

No.	TITLE OF FUND.	Amount Dec. 1, 1886.	Receipts during year.	Totals.	Payments during year.	Amounts Nov. 30, 1887.
1	General Debt, 1875.	\$320,139 48	\$ 72,384 98	\$ 392,524 46	\$ 23,517 50	\$369,006 96
2	Water Loan, 1876.	26,076 26	4,206 98	30,283 24	.....	30,283 24
3	Lynde Brook, 1877.	100,545 71	683 32	101,229 03	101,229 03	.....
4	Lynde Brook, 1878.	54,053 62	7,768 04	61,821 66	.....	61,821 66
5	Lynde Brook, 1879.	32,614 37	4,660 14	37,274 51	.....	37,274 51
6	Island Sewer, 1879.	43,417 88	5,979 47	49,397 35	.....	49,397 35
7	Foster Street, 1879.	82,326 94	11,705 10	94,032 04	.....	94,032 04
8	Island Sewer, 1880.	9,508 47	1,616 13	11,124 60	.....	11,124 60
9	Foster Street, 1880.	19,148 61	3,240 39	22,389 00	.....	22,389 00
10	Island Sewer, 1881.	14,562 84	2,831 90	17,394 74	.....	17,394 74
11	City Hosp. B'g, 1881.	18,576 27	3,599 78	22,176 05	.....	22,176 05
12	Lynde Brook, 1882.	12,932 75	2,954 76	15,887 51	.....	15,887 51
13	Jaques Forfre, 1882.	10,218 47	2,331 20	12,549 67	.....	12,549 67
14	City Hosp. B'g, 1882.	15,103 12	3,464 51	18,567 63	.....	18,567 63
15	Sewer Loan, 1883.	10,843 58	3,082 98	13,926 56	.....	13,926 56
16	Summer Street, 1883.	33,947 71	8,685 51	42,633 22	.....	42,633 22
17	Sewer Loan, 1884.	8,588 68	3,199 02	11,787 70	.....	11,787 70
18	Water Loan, 1884.	22,729 31	8,527 74	31,257 05	35 20	31,221 85
19	Sewer Loan, 1885.	14,255 66	7,865 36	22,121 02	401 50	21,719 52
20	Water Loan, 1885.	5,864 35	3,290 32	9,154 67	.....	9,154 67
21	Sewer Loan, 1886.	5,392 83	6,142 88	11,535 71	232 25	11,303 46
Totals,		\$860,846 91	\$168,220 51	\$1,029,067 42	\$125,415 48	\$903,651 94

RECEIPTS AND PAYMENTS.

December 1, 1886, to November 30, 1887.

No.	RECEIPTS.			PAYMENTS.		
	City Contributions.	Interest and Premium.	Totals.	City Debt Cancelled.	Interest and Premium.	Totals.
1	\$56,849 01	\$15,535 97	\$72,384 98	\$23,000 00	\$ 517 50	\$ 23,517 50
2	3,000 00	1,206 98	4,206 98	.....	.....	.....
3	.....	683 32	683 32	100,000 00	1,229 03	101,229 03
4	4,000 00	3,768 04	7,768 04	.....	.....	.....
5	3,200 00	1,460 14	4,660 14	.....	.....	.....
6	4,000 00	1,979 47	5,979 47	.....	.....	.....
7	8,000 00	3,705 10	11,705 10	.....	.....	.....
8	1,200 00	416 13	1,616 13	.....	.....	.....
9	2,400 00	840 39	3,240 39	.....	.....	.....
10	2,200 00	631 90	2,831 90	.....	.....	.....
11	2,800 00	799 78	3,599 78	.....	.....	.....
12	2,400 00	554 76	2,954 76	.....	.....	.....
13	1,900 00	431 20	2,331 20	.....	.....	.....
14	2,800 00	664 51	3,464 51	.....	.....	.....
15	2,600 00	482 98	3,082 98	.....	.....	.....
16	7,200 00	1,485 51	8,685 51	.....	.....	.....
17	2,800 00	399 02	3,199 02	.....	.....	.....
18	7,500 00	1,027 74	8,527 74	.....	35 20	35 20
19	7,200 00	665 36	7,865 36	.....	401 50	401 50
20	3,000 00	290 32	3,290 32	.....	.....	.....
21	5,800 00	342 88	6,142 88	.....	232 25	232 25
	\$130,849 01	\$37,371 50	\$168,220 51	\$123,000 00	\$2,415 48	\$ 125,415 48

The "city contributions" include the following items, viz. :—
 \$3,010.15 from the proceeds of sales of real estate, \$21,163.25 from assessments for drains and sewers, \$31,962.72 from excess of income on account of water rates, and \$41,712.89 from sundry unexpended balances of the appropriations for 1886,—these sums, amounting, in all, to \$97,849.01, having been added to the city sinking funds Jan. 1, 1887, under provisions of section 8, ch. 42, of the City Ordinances; and also the further sum of \$33,000.00, which was provided for in the tax levy of 1887, and, in October last, added to the "General Debt Sinking Fund of 1875."

FUNDED CITY DEBT, AND SINKING FUNDS.

November 30, 1887.

No.	FUNDED DEBT.			SINKING FUNDS.		
	Created.	Due-date.	Amount.	Investm'ts.	Cash Deposits.	Amount.
1	Prior to 1876	1888 to 1905	\$1,845,300 00	\$ 325,400 00	\$ 43,606 96	\$369,006 96
2	Nov. 27, 1876	Dec. 1, 1906	100,000 00	25,500 00	4,783 24	30,283 24
4	Apr. 1, 1878	Jan. 1, 1888	60,000 00	.....	61,821 66	61,821 66
5	Feb. 10, 1879	Jan. 1, 1889	40,000 00	31,500 00	5,774 51	37,274 51
6	Mar. 10, 1879	Jan. 1, 1899	100,000 00	46,500 00	2,897 35	49,397 35
7	Mar. 10, 1879	Apr. 1, 1889	100,000 00	80,500 00	13,532 04	94,032 04
8	Dec. 22, 1879	Jan. 1, 1900	30,000 00	8,000 00	3,124 60	11,124 60
9	Dec. 22, 1879	Apr. 1, 1890	30,000 00	18,500 00	3,889 00	22,389 00
10	Mar. 28, 1881	Jan. 1, 1901	55,000 00	14,000 00	3,394 74	17,394 74
11	Mar. 28, 1881	Apr. 1, 1891	35,000 00	17,000 00	5,176 05	22,176 05
12	Jan. 9, 1882	Jan. 1, 1892	30,000 00	14,500 00	1,387 51	15,887 51
13	Mar. 6, 1882	Jan. 1, 1892	23,400 00	12,000 00	549 67	12,549 67
14	Mar. 20, 1882	Apr. 1, 1892	35,000 00	14,500 00	4,067 63	18,567 63
15	Dec. 19, 1882	Jan. 1, 1903	65,000 00	9,000 00	4,926 56	13,926 56
16	Mar. 27, 1883	Apr. 1, 1893	90,000 00	39,000 00	3,633 22	42,633 22
17	Dec. 10, 1883	Jan. 1, 1904	70,000 00	7,500 00	4,287 70	11,787 70
18	Apr. 11, 1884	Apr. 1, 1914	250,000 00	27,000 00	4,221 85	31,221 85
19	Feb. 16, 1885	Jan. 1, 1905	180,000 00	16,000 00	5,719 52	21,719 52
20	Mar. 30, 1885	Apr. 1, 1915	100,000 00	4,500 00	4,654 67	9,154 67
21	Mar. 15, 1886	Jan. 1, 1906	145,000 00	7,500 00	3,803 46	11,303 46
Totals.....			\$3,383,700 00	\$ 718,400 00	\$ 185,251 94	\$903,651 94

Of the "funded debt," included in the foregoing statement, all items, except the first, represent new debts created since the passage of the act of 1875 limiting municipal indebtedness. The first item, \$1,845,300, is the balance, still outstanding, of the old debt of 1875, which, by cash payments from the General Debt Sinking Fund, has been reduced from \$2,589,700, to the balance above stated, since January 1, 1876. The several "investments," belonging to the sinking funds, consist of registered bonds of the city of Worcester, exclusively,—the average annual rate of interest realized thereon being about $4\frac{1}{2}$ per cent. The "cash deposits" draw interest at the rate of 3 per cent. per annum.

Respectfully submitted,

WM. S. BARTON,

City Treasurer.

REPORT

OF THE

JOINT STANDING COMMITTEE ON FINANCE.

CITY OF WORCESTER, MASS., }
DECEMBER 19, 1887. }

To the Honorable City Council:—

Under the provisions of the City Ordinances, the Joint Standing Committee on Finance beg leave to report that they have examined the accounts of the City Treasurer, for the financial year ending November 30th, 1887, and find that his books are carefully and correctly kept, and that the cash assets belonging to the City are properly accounted for.

They further report that it appears, from the books of the Treasurer, that his cash receipts, from all sources, during the last financial year, amounted to \$1,884,528 05

That his cash balance, Nov.

30, 1886, was 506,733 44

Making the total sum to be

accounted for, \$2,391,261 49

And that his cash payments

amounted to 1,785,332 58

Leaving a cash balance, Nov.

30, 1887, of \$605,928 91

Which amount they have verified by an actual count of the cash in the Treasury at the close of business, on Wednesday, 30th ult., and by an examination of the several bank balances standing to the credit of the City on that date.

They further report that the only securities belonging to the City, and held by the Treasurer, Trust Fund securities excepted, were found to be the following, viz. :—

1 Certificate, numbered 576, for 350 shares of Stock in the Fitchburg R. R. Co., of the par value of	\$35,000 00
3 Collector's deeds, representing liens on sundry parcels of real estate to the amount of	39 83
	<hr/>
Total,	\$35,039 83

They further report that, of the several taxes, assessments and department bills, committed to the Treasurer for collection, the following remained outstanding at the close of business, Nov. 30, 1887, viz. :—

City County and State taxes of 1883,	\$5,769 74
" " " " " " 1884,	6,303 88
" " " " " " 1885,	6,736 20
" " " " " " 1886,	6,612 00
" " " " " " 1887,	55,066 56
	<hr/>
	\$80,488 38
Sewer assessments, including apportioned bills,	11,918 38
Sidewalk assessments,	3,800 69
City Hospital account; board of patients,	177 85
Fire Department account; material sold,	120 87
Highway Department account; labor and materials,	2,136 88
Incidental Expense account; engineering on drains,	35 60
Pauper Department account; aid to paupers,	348 78
Real Estate Lien account; collector's sales,	39 83
Street Construction account; grading, etc.,	500 00
Water Construction account; labor and materials,	3,934 81
Water Maintenance account; water rates, etc.,	3,966 05
	<hr/>
Total,	\$107,468 12

Respectfully submitted,

SAMUEL WINSLOW,
T. M. ROGERS,
G. A. LONGLEY,
E. I. COMINS,
ARTHUR E. DENNIS,
LYMAN A. ELY,
P. J. QUINN,

Joint Standing Committee on Finance.

REPORT OF CITY CLERK.

CITY OF WORCESTER,
CITY CLERK'S OFFICE, January 2, 1888.

To the Honorable City Council:—

In accordance with the requirements of Chapter VIII. of the City Ordinances, the City Clerk submits the following statement of the moneys received by him as fees or otherwise, during the year ending November 30, 1887, viz. :—

From Licensed Amusements,	\$1,035 50
“ “ Auctioneers,	30 00
“ “ Billiard Tables, etc.,	470 00
“ “ Dogs,	2,148 00
“ “ Hacks and Job Wagons,	257 00
“ “ Intelligence Offices,	60 00
“ “ Junk Dealers,	130 00
“ “ Pawn Brokers,	200 00
“ “ Petroleum,	114 00
“ Sale of Ordinances,	2 50
“ Licenses for sale of Fireworks,	30 00
Office Fees,	1,997 00
	<hr/>
	\$6,474 00

This sum has been paid to the City Treasurer, and receipts taken therefor.

There has also been paid to Edward A. Brown, County Treasurer, the sum of \$4,697.40 for dog licenses.

Respectfully submitted,

E. H. TOWNE,
City Clerk.

REPORT OF THE CITY MARSHAL.

CITY MARSHAL'S OFFICE,
WORCESTER, MASS., Dec. 1, 1887. }

To the Honorable the Mayor,

And City Council of the City of Worcester.

GENTLEMEN : —

Agreeably to the Ordinances of this City, I again present to your honorable body the report in detail of the work done by this department, the condition of the force and apparatus at the present time, the cost of maintaining the same through the last municipal year, and such other matters as may be of interest to you, and beneficial to ourselves.

The force to-day is comprised of

1 Marshal,	4 Doormen,
2 Assistant Marshals,	1 Driver,
1 Captain,	1 Matron,
2 Sergeants,	73 Patrolmen,

Making the numerical strength, as it stands upon the pay-rolls, 87 individuals.

The work performed by them has been varied and useful, and in addition to the customary reports made to your body, we have, this year, to add that of a Matron, which was placed in our department on the 1st of July last, agreeably to the laws of our last General Court, and later, that of a permanent driver for the patrol service, which has been adopted during the past year, and which I shall mention in more general terms in this report.

The work of this department has been one of extraordinary showing, and, when compared with the records of any other city, one in which the police and citizens can congratulate themselves.

Another year has passed in which our entire city has been free from robbers, disturbances, and all events which tend to disturb the quiet of the people, and although during the early portion of the year, while thousands of our working people were idle enjoying the luxuries of a general strike, the order of the city was maintained, and the only result of such an upheaval was for our department to make but three arrests growing entirely out of the affair, and to remain on duty double the number of hours, which they did without grumbling, and in such a manner as to win compliments from all, from whom such a thing could be expected.

There were four of our manufacturing concerns that were obliged to ask for especial protection during this trouble, and after it became known that such protection was forthcoming, and His Honor, Judge Utley, had dealt with three of those who had made themselves criminally liable, no further trouble was experienced. It is hoped that the lesson of the first general strike will be considered in its true light by its participants, and they, as well as the rest of the community, be relieved of such experiences in the future.

So far as the preservation of life and property is concerned, we point with a good deal of pride to the statistics which are embodied in this report, and invite honest criticisms in regard to the same. While one murder has been committed, the murderer was promptly dealt with, so far as the police were concerned, and comment upon the cause and effect is unnecessary; when it is known the enormity of this offence cost the murderer the sentence of 18 months in the House of Correction, it is fair to presume that he will not be pardoned before the expiration of the sentence.

The crime of drunkenness has proved to be an epidemic, not confined to the limits of this city by any means, but extending very generally through the country. While we have added to our list for this offence what seems to many an appalling number, I find that other places larger as well as smaller, have suffered in the same proportion. The reason for all this must come from greater philosophers than myself. Nearly everyone

has his own individual opinion, and yet it is to be proved but what one is as good as another. That the evil exists is too plain ; what the remedy is, is not so plain.

The number of persons arrested for drunkenness during the year has been 3,134, divided as follows :

1st offence,	2,694	3rd offence,	125
2nd “	254	Com. drunkard,	61

Showing the following comparison with 1886 :

1st offence,	1,680	3rd offence,	75
2nd “	153	Com. drunkard,	43
Total, 1,951.			

The total number of arrests for the year (4,236) are shown as follows :

Number Males,	3,954
“ Females,	282
“ Americans,	1,743
“ Foreigners,	2,493
“ Residents,	3,178
“ Non-Residents,	1,158
“ Adults,	3,919
“ Minors,	317

Total number of commitments to the various correctional and reformatory institutions were 1,857, against 1,047 in the year preceding.

The greatest number of arrests in any one month was 533 in May last. The smallest number in any one month was 222 in January last, showing a difference of 311.

The greatest number of commitments made was in the month just closed and numbered 297, against 71 during the first month of the present municipal year.

The largest number of females arrested during any one month was 40 in October, and the smallest number 14, which occurred twice—once in December, and once in April last. The ages of the prisoners are summed up as follows, viz. :

Under 10 years of age,	5
Between 10 and 20 years of age,	351
“ 20 “ 30 “ “ “	1,520
“ 30 “ 40 “ “ “	1,241
“ 40 “ 50 “ “ “	733
“ 50 “ 60 “ “ “	278
“ 60 “ 70 “ “ “	91
“ 70 “ 80 “ “ “	17
Total,	<hr/> 4,236

The offences for which the above were arrested, are as follows,
viz.:

Assault and battery,	136	False pretence,	5
Assault on officer,	8	Fighting dogs,	1
Adultery,	25	Gaming Sunday,	44
Abortion,	1	Insane,	18
Accessory to abortion,	1	Indecent exposure of person,	8
Abandoning child,	1	Injuring property,	3
Attempt at rape,	1	Incest,	1
Breaking and entering,	38	Larceny,	98
Breaking glass,	8	Lewdness,	5
Bastardy,	6	Larceny from person,	3
Burglary,	2	Murder,	1
Burning,	1	Neglect to support wife,	11
Bigamy,	1	Neglect to support child,	5
Common drunkard,	61	Nightwalker,	4
Capias,	41	Obstructing inspector of oleo-	
Cruelty to animals,	4	margarine,	2
Common gaming nuisance,	1	Peddling without license,	6
Concealing mortgaged property,	1	Polygamy,	1
Drunkenness,	2,694	Runaway boys,	7
Drunkenness, 2d offence,	254	Railer and brawler,	2
Drunkenness, 3d offence,	125	Robbery,	2
Disturbing the peace,	71	Refusing to assist officer,	1
Disorderly house,	3	Stubborn and disobedient,	13
Defrauding boarding-house,	2	Selling oleomargarine in vio-	
Disturbing religious meeting,	2	lation of law,	6
Defacing building,	1	Selling cigarettes to minors,	4
Embezzlement,	6	Truancy,	23
Evading railroad fare,	6	Threatening,	18
Escaped prisoner,	3	Trespass,	7
Fornication,	52	Taking team,	6

Violation of liquor law,	233	Violation of rules of Board of	
Violation of city ordinances,	46	Health,	1
Violation of Sunday law,	13	Walking on railroad track,	28
Vagrancy,	52		
			<hr/>
			4,236

This army of offenders claim the following as their occupations, viz.:—

Agents,	23	Core-makers,	4
Armorers,	7	Conductors,	4
Artists,	2	Coopers,	4
Actress,	1	Cabinetmakers,	3
Axe-maker,	1	Curriers,	2
Boot-makers,	300	Clergymen,	4
Blacksmiths,	45	Carriage-painter,	1
Bakers,	20	Cutter,	1
Bar-tenders,	18	Comb-maker,	1
Barbers,	18	Cobbler,	1
Butchers,	13	Confectioner,	1
Boiler-makers,	6	Clock-repairer,	1
Book-keepers,	3	Domestics,	75
Boot crimpers,	3	Dyers,	10
Brick-makers,	2	Drivers,	5
Bottlers,	2	Dressmakers,	3
Belt-makers,	2	Dentists,	2
Brokers,	2	Druggists,	2
Box-makers,	2	Drummers,	2
Boot-sider,	1	Die maker,	1
Book-binder,	1	Engineers,	5
Bleacher,	1	Engravers,	3
Boot-black,	1	Envelope cutter,	1
Bill-poster,	1	Editor,	1
Carpenters,	81	Farmers,	51
Clerks,	41	Finishers,	10
Cigar-makers,	22	Firemen,	9
Cooks,	16	File cutters,	2
Carders,	14	Fakirs,	2
Courtesans,	10	Gardeners,	10
Coachmen,	8	Grinders,	4
Chair-makers,	6	Grocers,	3

Gamblers,	3	Printers,	41
Galvanizer,	1	Peddlers,	31
House keepers,	138	Plumbers,	19
Hostlers,	59	Pavers,	10
Harness makers,	9	Polishers,	8
Hatters,	6	Photographers,	5
Hod-carriers,	5	Paper-makers,	4
Hackmen,	3	Physicians,	3
Horse jockeys,	2	Porters,	2
Helper,	1	Plasterers,	2
Heater,	1	Post-man,	1
Innholders,	5	Pawn-broker,	1
Junk dealers,	5	Reporters,	5
Jewelers,	2	Roofers,	5
Keepers house of ill-fame,	2	Rag-pickers,	5
Laborers,	1,488	Rubber workers,	2
Lathers,	16	Razor-maker,	1
Loafers,	28	Reed-maker,	1
Loom-fixers,	9	Saloon keepers,	276
Laundresses,	3	School-boys,	134
Lasters,	3	School-girls,	2
Lawyers,	2	Shoemakers,	60
Locksmith,	1	Spinners,	48
Lecturer,	1	Stone cutters,	17
Machinists,	168	Slaters,	12
Moulders,	99	Soldiers,	7
Masons,	58	Sailors,	6
Merchants,	30	Steam-fitters,	6
Miners,	8	Stable keepers,	4
Marble workers,	3	Stone masons,	3
Messengers,	3	Steel-makers,	2
Manufacturers,	3	Sculptor,	1
Mattress-maker,	1	Seamstress,	1
Milliner,	1	Teamsters,	47
Melter,	1	Tailors,	24
News-boy,	1	Tramps,	22
Nurse,	1	Tinkers,	6
Organ-makers,	5	Tanners,	4
Operator,	1	Thieves,	4
Painters,	107	Tinsmiths,	3

Tailoresses,	2	Wool sorters,	6
Teacher,	1	Wood turners,	2
Upholsterers,	5	Wig maker,	1
Weavers,	83	Watchmaker,	1
Wire drawers,	53	Wheelwright,	1
Waiters,	13		—
Total,			4,236

LODGERS.

This army of lazy, shiftless drones still thrive in New England, or Massachusetts in particular, and will so long as the community will tolerate them. Why they are not dealt with as any other pestilence is probably owing to philanthropists and tender-hearted people, who do not get far enough from their own homes to see that the need of all their charity could be worthily bestowed, where parties are striving to keep the wolf from the door, and yet sickness and misfortune will follow so closely that assistance is necessary to keep them from sinking entirely under the burden borne. Not so with the full-fledged tramp. There is no occupation that will tempt him to leave his self-chosen occupation, and a few weeks, or days even, on the road, qualify him to strike terror into the heart of most any housekeeper or servant who may chance to see his ugly visage in the back yard, or other portions of their premises, demanding food. The same schooling is shown when he presents himself at the desk of the Police Captain, and notifies the authorities that he "wants lodgings."

This army of impudence, to the number of five thousand seven hundred and forty-two, have been cared for at Stations 1 and 2, the past year, to say nothing of those stopping at the City Almshouse and other places. They claim as their nativity, America 2,668, and all other countries 3,074; and while 5,039 are booked as adults, nearly every one of that number are young, stout, able-bodied men, and 603 are classed as minors. It is alarming to see the boys, who are taking upon themselves this method of getting a living. What the harvest will be will sometime be

shown in another Chicago Anarchist upheaval. It is hoped that the machinery of justice will move easier, consequently swifter, with these after-growths.

MISCELLANEOUS DUTIES.

The tables, showing the services rendered under this heading, is as follows :—

Accidents reported,	14
Burglaries reported,	7
Buildings found open,	527
Careless driving,	5
Disturbances suppressed,	62
Defective sidewalks,	35
Defective streets,	18
Defective water-pipes,	6
Fire-alarms given,	16
Fires extinguished without alarm,	13
Intoxicated persons sent home,	30
Injured persons cared for,	37
Lost children returned,	79
Lights (street) not burning at 9 P. M.,	271
Lights hung in dangerous places,	24
Runaway horses stopped,	12
Teams put up and cared for,	55
Value of goods left exposed,	\$1,270.75
Number of Officers as witnesses at court,	5,555
Number of Officers detailed for extra duty,	2,053
Number of Days of extra duty,	603
Number of Warrants served,	4,249
Number of Notices, served,	3,330
Number of Officers at fires,	163

In addition to this, there has been recovered and returned to the different owners, stolen property, amounting to Five Thousand Six hundred and Eighty-four Dollars (\$5,684), and receipts given the department for the same. Nearly all of this has been done through Detectives O'Day and Colby. Although every member of the force has an interest in this part of our business.

EXPENSES AND REVENUE.

The expenses of the department in ordinary, are about the same as recorded year after year; although they are in excess of former years, on account of a slight increase of the force, and must of a necessity continue to expand with the growth of the city. Worcester's rank is 19 in the cities of the United States. In regard to the numerical strength of its Police Department, while we have only one patrolman to every 1,112 inhabitants,—New York has one to each 612—Chicago one to 781—Boston one to 632—Baltimore one to 783—San Francisco one to 910—Buffalo one to 960—Troy one to 812; &c., &c. While the cities of Scranton and Reading, Pa., are the other extremes, having only one to 3,229 and 2,222, respectively. From reports, which we have of those places, I do not think that many will desire to emigrate from here for any reasons.

Our revenue for the year has been :—

Appropriation,	\$85,000 00
" from License money,	11,616 96
Fees, earned by Officers in Cent. Dist. Court,	10,024 26
For Fuel and Lights of Central District Court,	500 00
Received for Cloth,	524 21
" " Extra Services of Officers,	413 75
" " Police Teams, Thayer,	178 55
" " " " Atkinson,	248 33
" " " " All others,	9 00
" " Helmets,	275 40
" " Rent of Police tenements,	48 17
" " Storage, Thayer,	\$16 }
" " " Atkinson,	16 }
" " Ambulance,	5 00
" " Keeping prisoners,	4 50
" " Damage to Lock Up,	9 00
" " Harness sold,	3 50
" " Badge lost,	1 50
Due from City Clerk for Officers at Theatre and Circus,	399 00
Total,	<hr/> \$109,293 13

Our Expenses for the same time have been as follows:—

Salary of Marshal,	\$2,000 00
“ “ Assistant Marshals, 1,300 each,	2,600 00
“ “ Captain,	1,200 00
“ “ Patrolmen, Sergeants and Detectives,	73,802 12
“ “ Matron,	208 33
“ “ Janitor,	600 00
“ “ Driver,	64 00
Paid for Cloth, buttons. etc.,	666 23
“ “ Helmets,	275 40
“ “ Belts, billies and badges,	152 42
“ “ Coal,	595 69
“ “ Gas, electric light and oil,	707 29
“ “ Rent of telephone for 1885,	20 00
“ “ Rent of telephone for 1887,	330 00
“ “ Horse keeping,	332 67
“ “ Shoeing,	33 58
“ “ Repairs on wagon, harness &c.,	24 95
“ “ Horse,	225 00
“ “ Wagon (balance),	85 00
“ “ Harness,	15 00
“ “ Hacks and teaming,	35 50
“ “ B. Walker & Co., ice,	55 54
“ “ Painting, whitewashing and repairs,	213 73
“ “ Glazing,	24 20
“ “ Handcuffs,	42 75
“ “ Signs,	31 75
“ “ Repairs on boilers,	46 63
“ “ Printing,	118 20
“ “ Books and stationery,	87 63
“ “ Plumbing and hardware,	56 08
“ “ Special officers, detectives' board, etc. (N. E. Fair),	572 25
“ “ Crackers,	97 87
“ “ Insurance on teams,	40 00
“ “ Washing and sundries,	89 32
“ “ Disinfectants,	29 50
“ “ Photographing rogues,	11 50
“ “ Div. No. 42, supplies,	32 26
“ “ City water,	70 02
“ “ Barnard, Sumner & Co. (towels),	12 58

Paid for City Highway Department,	8 64
“ “ Geo. C. Dewhurst, broken window,	2 75
Total,	<hr/> \$85,816 28
To which must be added the cost of Police Telephone and Visual Signal,	\$5,196 78
And amount paid for real estate adjoining station,	11,616 96
	<hr/> <hr/> \$102,630 02

Leaving an unexpended balance of \$6,663.11 to be placed to our credit for the benefit of the Sinking Fund.

The money expended for the Police Telephone and Visual Signal Service, is one of the most economical measures that could be found, as the cost has been trifling when compared with the benefit that must accrue from its introduction. It will help increase the revenue arising from the use of the Police teams, as will be shown by the statement found below, in relation to what has been done with the system already; and yet this is a secondary consideration when compared with the facilities for aiding the officers in the discharge of their duties. This department has felt the need of a Committee on Police for a number of years, but it has remained for the present administration to inaugurate the same, and the result of the first year's work of such a committee can justly be considered a success.

In considering the many forms of Police Telegraph and Municipal Signal Service boxes for Police Departments, none were found to be so practicable in all their appointments, as was found in the Brewer & Smith Visual Signal Service, which your committee found in actual operation, side by side with the Gamewell boxes. Practical exhibitions of the two systems at once convinced your committee that time would be wasted in looking further, and the result was, that on June 20th this system was accepted by the City Council, and the contract at once signed. September 12th the first boxes and castings for the service arrived; also the patentee, Mr. W. C. Smith, of New Haven, under whose personal supervision the apparatus was put up, so that October 14th the whole business was in perfect running order,

and on that date was inspected thoroughly and accepted by this same committee. The entire cost of the service will be found in its proper place. To His Honor the Mayor, and Aldermen Harrington and Brigham, too much credit can not be given, as they were keenly alive to the need of this system, and they worked unceasingly until its accomplishment.

That it is all it was expected to be, is not putting it too strong, and it will continue to grow in favor with the citizens and beneficial to the department, as the public learn to depend upon it. Its usefulness will be seen when comparisons are made with the tables herewith connected ; showing what it has accomplished in getting to the relief of sufferers with the ambulance, in getting to fires, etc., to say nothing of the value of having noisy drunken persons removed at once, from any district, or beat, and the officer making the arrest, and caring for the beat, being allowed to stay there and care for it.

In addition to this part of our equipment for general service, it was found to be necessary to have a stable of our own, where the apparatus could be cared for, and our horses handled and instructed by competent men, and your committee purchased the land immediately adjoining Station 1, on the north, and we ask that such a stable as shall meet our requirements be erected as soon as possible. Until this is done we have got to depend upon the uncertainty of sleepy hostlers, the old method of harnessing, etc., besides the inconvenience of having our ambulance, patrol wagon, etc., etc., hidden behind a caravan of other teams when wanted.

We are also in urgent need of apartments for the Police Matron and quarters for her prisoners somewhat remote from the cells of the male prisoners, that are almost always occupied by a collection of beings that, at certain stages of their incarceration, it would be charity to call them beasts. It will be seen that a double necessity exists for this addition. I should also recommend that the building be so constructed that a store-room may be had for the reception of the liquor, beer, etc., that is daily being brought to the Station, that it may not form a part of the furniture of the offices down stairs, as has been the case for the past two years.

At this point I will state that from the imperfect records kept of the doings of the Police Patrol service, I find that the total number of miles run by the patrol wagon, since the completion of the system, has been 138

Number of prisoners brought to Station by same, 227

“ of runs to fires, 5

“ “ with Ambulance, 6

The visual signal service is experimented with every night, in order that the officers may become familiar with its workings, and see that it is at all times in working order. There is need of two additional boxes the coming season,—one to be placed at the corner of Exchange and Blackstone Streets, and one at the corner of Union and Central Streets.

The apparatus is in good order, and I see no reason why it should not be maintained with but trifling cost to the city, aside from the telephone rentals.

THE WAR AGAINST INTOXICATING LIQUOR.

With many persons the idea has been, that but little or nothing has been done, during the past year, towards restricting or restraining the sale of intoxicating liquor. Nothing can be farther from the truth or facts of the case. Last year the police were visited night and day, by not only the representatives of the press, but leading citizens, who were interested in the cause, were ever on hand, giving credit where credit was due, and at all times encouraging the officers in their good work. Either through familiarity with the work, or from some cause or other, the novelty of the situation seemed to die out, or was turned in other channels, until even the *reporters* ceased to have an interest in the matter, and, unless something remarkable transpired, was not noticed at all.

While it might not be policy to have our business published in detail from day to day, it is policy here to state, that *never* have the police worked harder, or accomplished *more* in this direction, than during the year 1887, even surpassing in point of numbers the warrants served during 1886, when we received so much

credit for noble work. For the sake of proving the same, the following figures are given, and will show that we “still live:”

1887.	Search warrants for liquor served,	1,400
“	“ “ for gaming implements,	26
“	Complaints made for illegal keeping and common nuisances,	269
“	Violating Sunday law and transporting liquor,	11
1886.	Search and seizure warrants for liquor and gaming implements,	1,372
“	Complaints made for illegal keeping and common nuisance,	268
“	Violation of Sunday law,	11

Why the cry of apathy and inactivity was raised, or believed after it was raised, is a mystery. One thing we ask, and that is, before pronouncing judgment please ascertain the facts.

I am under more than ordinary obligations to the rank and file of this department, during the last year, for their untiring energy and the zeal with which they have followed up this class of offenders. The obstacles they have met in the discharge of this very disagreeable duty, is enough to deter most men from trying the same class of cases more than once; but they have thought and done differently. There are but few, outside of the fraternity, who know how hard it is to convict a rum-seller, either of keeping or selling; and sometimes it seems that all the machinery of the law is used to protect this class of criminals and their merchandise.

Previous to the first of May last, we served 919 search warrants, and from May to Dec. 1st, 481; seizing in all about 2,850 gallons of various kinds of liquors. As fast as this has been condemned it has been shipped to the Chief of State Police and his receipt received. That all that was seized was condemned, we do not claim, but it was no fault of ours that it was not.

From Dec. 1st, 1886, to April 30, 1887, out of 118 complaints made for the illegal keeping, etc., 50 of these were discharged by order of Court; From May 1st to Nov. 30, 1887, of 81 for the same offence 27 were discharged. Showing that 33 per

cent. of this class of criminals have the officers at a great disadvantage. In addition to the above 4 licenses have been revoked. Under existing circumstances, I think the city should be represented by a paid attorney at every sitting of our Court; one who can and will make the interests of the city his interest. The result would be beneficial, if not profitable.

These facts I present to your notice at this time, simply in justice to ourselves, that we may not be considered inactive in the discharge of our duty.

IN MEMORIAM.

It has been our painful duty to lose by death two of our officers during the past year, an event which has filled the hearts of their comrades with sadness, for in the loss of them, we not only lose the man, but suffer a greater loss in the efficiency and official bearing of the department.

Capt. James J. McLane, an old and tried officer, both in military and civic life, left his beat Feb. 3rd, on account of a slight indisposition, and died the afternoon of the 5th, following. His funeral was attended by the department in a body.

Leonard N. Thayer, a new appointee, came into the department June 1st, and after serving six weeks, was taken with Typhoid Fever and died July 25th. He was a promising man for the position, and seemed peculiarly fitted for the discharge of its duties.

RESIGNATIONS AND SUSPENSIONS.

Officer Edward H. Eaton, who had been connected with the force for some six years, and made friends wherever he was stationed, resigned his position June 6th, to engage in other business more congenial to his tastes.

E. R. Curtis, another officer who commenced these duties at the commencement of the year, resigned June 29th, to re-engage in his former position at the jail. These positions have not been filled, but the constant demand for police protection, make it imperative that they be so, and other additions made that will increase the number of the day patrol, and also add to the night

force. It is hard for the community who live in the immediate centre of the city, to realize the fact, that our limits are extending rapidly, and that these extremes are in need of Police protection, as much as the centre.

Not any season of the year is exempt from the call for police. In summer it is general marauding and pilfering, insolence from tramps, etc., etc., and in the winter it is lawlessness in other forms, among which are assaults by snow-balls, games in streets, coasting, etc.

The discipline of the force has been good during the year, as will be shown from the fact that but three suspensions have occurred, and none of these resulted in dismissal. But one officer was brought before the Board for a hearing, and that resulted in his being exonerated. I again repeat my suggestions made last year, in regard to punishment of officers for violating any of the rules of the department, as justice, both to the Marshal and the officer alike, demand it. In my opinion the department should be reorganized, and the charter and ordinances made to conform to a more modern form of classification, and some inconsistencies removed.

The rules and regulations of the department need a revision, as since the old ones were promulgated one new station has been added, bringing into prominence officials which have no published rules to guide them, either in the discharge of their duties, or in regard to uniforms, etc. We have also quite an extensive system of police telephone and patrol apparatus, which must be managed systematically, including drivers, wagoners, etc. Station 2 is in charge of Sergeants, so styled when the station was first equipped for business, and although it has been a great help to the police department in the distribution of the work and responsibilities, and of corresponding benefit to that portion of the city, I think some *one* officer should be the recognized head. Both Sergeants have the same rank and pay, each being on duty 12 hours out of the 24, and there is liability of friction that would be fatal to its management. Should a Captain be appointed to be in charge of the station, as is nearly always the case with sub-stations, the first step would be accomplished, and would

tend to simplify matters at headquarters. I trust that this matter will meet with your approval.

I have not given up the idea but what the appointment of a clerk for the Department is an absolute necessity, and the rapid growth of our business makes the want more and more apparent, as does the need of court or warrant officers. We hope we shall not be compelled to be without them much longer, simply because we have *waited so long*.

PROBATION OFFICER.

On the 15th of March last I was appointed to the position of Probation Officer, and during the time previous to the making of this report, I have taken upon probation twenty-nine offenders, nineteen from the Central District Court and ten from the House of Correction, where they were serving sentence. While in most of the cases it proved to be an act of charity, worthily bestowed, some of them do not, or *will* not, appreciate a favor. Five of the persons probated have been re-arrested and returned to the House of Correction or Reformatory to renew their good promises.

POLICE MATRON.

Mrs. Mary B. Lane was appointed matron with Station 1 designated as the place to receive female prisoners, May 31st, but did not assume charge of office until July 1st. Since that time there has been placed in her care 140 women, she being obliged to report to the station at any hour during the day or night, when such an arrest has been made, and remain there until the departure of the prisoner. That she takes an interest in her work cannot be doubted, when it is known that she is a lady of means, and accepted the position more through charity than for fee or reward. There has been a corresponding increase in the number of females arrested during the year as has been noticed in the sum total of all arrests, the number reaching 282 this year, against 187 last year.

ORDINANCES.

Reference has been made to altering or amending the ordinances, and should that undertaking be given in charge of a committee the year ensuing, I think a by-law making it a criminal offence to line our streets and sidewalks with bills, flyers or whatever name this business might go under, should be adopted. At present there are a number of persons in this City, whose only means of support consists in procuring from too ready shop-keepers and quacks, a supply of these circulars to make our principal streets not only untidy in appearance, but actually dangerous. Few things are worse for a sensitive or nervous horse, than to have these things blowing around him.

WORCESTER POLICE RELIEF ASSOCIATION.

Among the steps taken during the past year to make the department one that all members may take pride in, and have something more than a passing interest in, is the fact that they have formed themselves into an association, the heading of which explains itself. On the 2d of March, last, agreeably to a call made for this purpose, it was voted unanimously, to at once organize, and the move has been supported by the citizens generally, who have done nobly to encourage the work, and aided by their council and purse, to that extent, that upon the completion of a ball given recently, a nucleus to a permanent fund was made which put the Association on a good foundation, and the coming Legislature will be asked to give us the necessary charter to make our obligations binding.

The officers of this organization are : F. C. Thayer, President ; M. J. Walsh, Vice-President ; Amos Atkinson, Treasurer ; P. O'Day, Secretary ; and the interests of the same is carefully guarded by them.

In closing my report, I most heartily acknowledge that I am under great obligations to his Honor the Mayor, the Board of Aldermen, and to the Members of the Common Council who were on the Police Committee and who assisted so materially in introducing our Police Telephone and Signal Service system. If

such a committee were made permanent I think great good would result, as our work would be better understood and appreciated, and we should have some one to depend upon, to encourage us when right, and reprove when wrong.

To the heads of the various departments I am under obligations, and especially so to the rank and file of this department, who I assert are a credit to the City of Worcester, other statements which have found their way into public print to the contrary, notwithstanding.

Appended is a complete roster of the force and the stations to which they are assigned.

Respectfully submitted.

W. ANSEL WASHBURN,

City Marshal.

POLICE STATION.

No. 1.

W. Ansel Washburn,	Marshal.	Healy, M. J.	Patrolman.
F. C. Thayer,	Asst. Marshal.	Johnson, W. H. (Day)	"
Amos Atkinson,	" "	Johnson, P. A.	"
David A. Matthews,	Captain.	Johnson, J. T.	"
P. O'Day,	Detective.	Legassy, John,	"
R. M. Colby,	"	Lombard, Eneas,	"
W. L. Robinson,	Janitor.	March, Addison (Day)	"
David A. Barr,	Driver.	Matthews, R. F.	"
Barker, Geo. V.	Patrolman.	Macomber, C. S.	"
Barker, Chas. W.	"	McCarthy, J. S.	"
Bullock, S. G.	"	McMurray, Thos.	"
Bellows, S. M.	"	Millett, F. W.	"
Beahn, J. F.	"	O'Sullivan, John,	"
Blake, Oliver,	"	O'Connor, John,	"
Collins, Patrick,	"	O'Day, John E.	"
Crowell, E. S.	"	O'Connor, James,	"
Cummings, Thos.	"	Piper, Wm. A.	"
Conner, M. J.	"	Ramsdell, W. R.	"
Deady, M. J.	"	Roche, J. W.	"
Dunn, John,	"	Reardon, J. W.	"
Delaney, Geo. T.	"	Streeter, H. B. (Day)	"
Flint, J. H. (Night Doorman).		Shippee, Chas. H.	"
Fairbanks, Edson,	Patrolman.	Stone, W. J. E.	"
Finneran, Wm.	"	Tyler, Elliott (Day)	"
Farr, John R.	"	Thompson, C. J.	"
Foley, M. J.	"	Thayer, Romanzo,	"
Fitzpatrick, E. C.	"	Thayer, A. Q.	"
Garland, Chas. A. (Day)	"	Thayer, Moses,	"
Green, M. S.	"	Ward, S. W. (Day)	"
Hubbard, M. J. (Day Doorman).		White, W. S.	"
Horgan, J. J.	Patrolman.	Williams, F. W.	"
Hurley, Thos.	"	Lane, M. B., Mrs.	Matron.

POLICE STATION.

No. 2.

S. W. Ranger, Sergt. 6 A. M. to 6 P. M.		Hines, P. H.	Patrolman
M. J. Walsh, Sergt. 6 P. M. to 6 A. M.		Lindquist, Nils,	"
Clifford, D. E.	Patrolman.	Mecorney, H. H. (Night Doorman).	
Dillon, L. J. (Day)	"	Maloney, J. M.	Patrolman.
Drohan, W. N.	"	Mooney, N. J.	"
Diggins, Patrick,	"	McCarthy, Daniel,	"
Foley, Daniel,	"	O'Connell, M. J.	"
Goggin, David,	"	O'Connor, J. S.	"
Hanson, C. R.	"	O'Connell, P. J.	"
Harper, Andrew,	"	Ratigan, P. E. (Day Doorman).	
Hickey, Wm.	"	Sampson, F. H.	Patrolman.
		Streeter, E. H.	"
		Warren, J. H.	"

REPORT

OF THE

JOINT STANDING COMMITTEE ON SEWERS.

The Joint Standing Committee on Sewers herewith present their annual report as required by the provisions of Chapter 40, of the City Ordinances, together with the report of the Superintendent of Sewers.

The report of the Superintendent contains a schedule of work done, with location and cost of each sewer; it also recounts the necessities of various sections of our thriving city which will demand drainage facilities very soon. Your Committee commend the report and adopt it as part of their own. The amount of work accomplished and territory drained has never been exceeded in any year, and the relief and benefit afforded our citizens thereby, is to your committee in the highest degree satisfactory. Notwithstanding the great amount of good accomplished, the demand for sewers has far exceeded the ability to supply, and the close of the year finds petitions before your Committee which, if all were answered, would involve an estimated expenditure of over \$100,000. The appropriation for Sewer Construction this year was \$65,000 to which was added \$5,000 from the license money, making \$70,000. The amount levied on abutters for sewer assessments is \$34,410.13 or about one half the sum expended for construction. This amount is covered into the sinking fund when collected. Of all the blessings we as a city enjoy there is none so conducive to health and prosperity as good drainage. In considering work needful to be done the coming year, your committee ask that you will note the fact as stated in the report of the State Board of Health that the death rate of Worcester

is the lowest of any city in Massachusetts, a result no doubt consequent upon our superior system of drainage.

The arching of Mill Brook Sewer is a question which has often been before this and other City Councils. This foul stream is an eyesore, and may at times offend other of our senses. It is certainly desirable that the stream be not seen, and therefore your committee would recommend the arching of the section between Pond and Green streets, the coming season.

It is a well known fact that the Legislature of two years ago made it incumbent upon the city to purify its sewage before it enters the Blackstone river. Your committee has given the subject much time and consideration and will soon make a special report thereon.

In closing this report we bespeak for the department a liberal appropriation of money for the ensuing year, believing that in no way can the prosperity and comfort of the city be so much enhanced as in giving all its inhabitants good drainage. And lastly we desire to bear testimony to the ability and faithful administration of the affairs of the department by Superintendent R. H. Chamberlain. To him and Engineer Allen great credit is due, and we heartily commend them to our successors.

F. A. HARRINGTON,
E. I. COMINS,
C. N. WALKER,

G. A. LONGLEY,
JAMES EARLY,
JOHN S. BRIGHAM.

REPORT

OF THE

SUPERINTENDENT OF SEWERS.

To the Joint Standing Committee on Sewers :

GENTLEMEN :—The Superintendent of Sewers submits a report of the doings of the Sewer Department in the financial year of 1887.

The operations of the Department have gone on through the year in a quiet way without serious accident and very little of incident to relate. The work done has been largely of lateral sewers radiating from the large trunk sewers which have been so expensive for several years past, and consequently the number of estates directly benefited by sewer construction this year is greater than ever before in a single year.

Work has not been confined to any one section of the city, but has been in all parts alike. The most expensive sewers have been Suffolk, Southgate, Grand, Southbridge and Belmont streets. The territory west of Woodland and on either side of May street to Park avenue, has been completely sewered. The easterly ends of Oread, Benefit and Hammond streets, have also been sewered ; this work has been delayed for many years on account of heavy expense and the difficulty of making satisfactory arrangements to cross private land. Ten feet in width across the estate of Dr. Sargent, next the B. & A. R. R., has been purchased and a right of way obtained across the estates of M. H. Cowden Esq.,

and Frank Goddard to Oread street. Six and one-half miles of sewer have been laid the past year, and yet the demand is far from being satisfied. In many sections of the city the necessity for drainage is very urgent. New Worcester, comprising quite a large town of itself, must have a sewer system. Grove street north of Salisbury's Pond, needs a large sewer to drain North street and Messinger Hill. Crescent-street district, through which must drain all that part of the city north of Perkins street, has been petitioned for, for several years. A large sewer must be built soon to follow the course of the old Hermitage brook, into which will drain the section east of Channing and north of Belmont streets, a section now being rapidly developed.

A large section centering about East Shelby street and draining towards Shrewsbury street, another section, most of it thickly settled, in and about Norfolk street, and Quinsigamond Village, all these and more will be urged in the near future.

The accompanying table gives the location, length and cost of each sewer laid the past year.

TABLE OF SEWERS CONSTRUCTED DURING FINANCIAL YEAR OF 1887.

STREET.	LOCATION.	SIZE.	LENGTH.	MAN- HOLES.	COST.
Albert,	Curve at Grand St.	12"	29.5	1	\$ 39 50
Belmont,	Edward to Eastern Ave.	{ 24"x36" 20"x30"	{ 413.4 328.2 }	6	1,998 58
Benefit,	B. & A. R. R. to Beacon,	12"	321.0	2	361 98
Brigham,	Dale St. south, to old sewer,	{ 16"x24" 15"	{ 21.6 60.6 }	2	78 12
Blake,	Columbia to Harrison,	12"	152.5	2	181 37
Barber,	Page to Woodland,	12"	137.0	2	196 80
Canterbury,	Grand St. westerly,	12"	421.6	4	525 93
Charlotte,	Park Ave. to Clifton,	{ 18"x27" 16"x14" 12"	{ 506.3 198.0 314.0 }	8	1,137 86
Chelsea,	Crompton to Cambridge,	{ 15" 12"	{ 246.2 140.2 }	3	1,375 58
Clifton,	Charlotte to May,	12"	1091.4	9	1,033 55
Crompton,	Southbridge to Chelsea,	16"x24"	153.7	2	547 17
Cristy,	Grand St. westerly,	12"	213.8	2	210 12
Dale,	Brigham to Jaques Ave.	12"	662.3	6	622 56
Decatur,	Page to Hollywood,	12"	264.7	3	284 16
Dewey,	Parker St. north,	12"	33.1	1	125 29
"	" " south,	18"	34.0	1	
Downing,	Curve at Main St.	18"	47.1	1	111 13
Douglas,	Grand to Cambridge,	{ 15" 12"	{ 448.4 360.3 }	7	880 97
Elm,	Russell to N. Merrick,	15" oval	509.5	5	1,298 64
Elizabeth,	Belmont, southerly,	{ 18" 15" 12"	{ 153.0 336.7 233.2 }	6	1,449 20
Eastern Ave.	Curve at Belmont,	12"	30.8	1	46 20
E. Central,	Shamrock to Ford,	12"	450.3	3	963 26
Farwell,	Elizabeth to Eastern Ave.	12"	221.1	2	233 07
Florence,	Charlotte to Oberlin,	16"x24"	454.9	4	737 82
"	May to Oberlin,	12"	669.5	5	699 42
Freeland,	Curve at Main,	15"	52.6	1	101 89
Gage,	Berkeley St. easterly,	12"	192.3	1	451 39
Gates,	Main St. easterly,	12"	594.8	5	653 58
"	Illinois St. northerly,	12"	32.8	1	45 12
Grand,	Southgate to Main,	{ 22"x33" 20"x30" 18"	{ 698.4 365.0 996.6 }	14	6,615 89
"	Southgate to Carson Ct.	{ 20"x30" 18"	{ 441.3 59.7 }	4	
Grand St. Pl.	Grand St. southerly,	12"	237.3	2	230 67
Hammond,	Southbridge to Beacon,	{ 24"x36" 18" 12"	{ 336.7 252.6 394.0 }	8	1,833 50
Harlem,	Millbury to Ward,	20"x30"	353.1	5	1,375 51
Harrison,	Mill Brook to Green,	12"	336.5	2	290 32
Hollis,	Grand to Wyman,	12"	316.4	2	290 32
"	Grand St. southerly,	16"	291.6	3	440 26
Hollywood,	May to Oberlin,	12"	33.0	1	39 25
"	May to Kingsbury,	12"	655.6	6	651 58
"	May to Kingsbury,	12"	488.7	5	511 96
Hudson St. Ct.	Kingsbury St. northerly,	12"	261.7	3	292 38
Illinois,	Hudson to Park Ave.	12"	255.8	2	278 84
Jaques Ave.	Grand to Gates,	{ 15" 12"	{ 236.3 292.8 }	5	746 15
King,	King St. easterly,	12"	200.0	2	233 34
	Chandler to Woodland.	12"	803.8	6	825 10

TABLE OF SEWERS CONSTRUCTED—*Continued.*

STREET.	LOCATION.	SIZE.	LENGTH.	MAN- HOLES.	COST.
Kingsbury,	Page to Woodland,	{ 15"	225.4 }	5	724 10
Ledge,	Extension, southerly,	{ 12"	333.5 }	1	536 75
Lyons,	Shrewsbury, southerly,	{ 15"	148.0 }	5	574 57
Loudon,	Main to Woodland,	{ 12"	302.1 }	3	488 62
Main,	Grand to Downing,	{ 12"	295.5 }	2	268 43
"	Maywood St. westerly,	{ 18"x24"	245.8 }	7	1,792 06
Mason,	Parker St. north,	{ 15"	287.3 }	1 }	131 76
"	" " south,	{ 12"	503.7 }	1 }	
May,	Park Ave. to Hollywood,	{ 18"	35.4 }	7	1,262 44
N. Merrick,	Elm to Pleasant,	{ 15"	36.6 }	5	679 64
Oberlin,	Florence to Woodland,	{ 12"	213.3 }	6	956 27
Oread,	B. & A. R. R. to Beacon,	{ 15"	238.8 }	2	365 14
Page,	Kingsbury to Barber,	{ 12"	581.9 }	3	548 27
Parker,	Park Ave to Page,	{ 12"	600.4 }	7	1,449 01
Prescott,	Concord to Lexington,	{ 16"x24"	268.2 }	1	140 41
Queen,	Kingsbury to King,	{ 15"	278.8 }	2	306 64
Richards,	Main St. southerly,	{ 12"	159.1 }	10	1,690 69
Sigourney,	Prescott St. northerly,	{ 15"	342.2 }	4	527 06
Shirley,	Park Ave. to Florence,	{ 24"x36"	216.5 }	5	660 79
Suffolk,	Bloomington R'd to Wall St.	{ 22"x33"	376.6 }	11	4,190 31
Southbridge,	Washburn to Cambridge,	{ 18"	1208.7 }	6	1,082 17
"	Cambridge to Crompton,	{ 12"	768.4 }	4	2,342 12
Southgate,	Gardner to Camp,	{ 18"x27"	657.9 }	8	3,593 63
Wall,	Suffolk St. south,	{ 26"x39"	716.5 }	1	119 28
"	" " north,	{ 12"	396.4 }	1	115 92
Wyman,	Hollis to Main,	{ 16"	187.7 }	6	948 88
West,	Extension to Highland,	{ 15"	312.1 }	3	342 62
		{ 12"	316.6 }		
		{ 12"	421.7 }		

Total number of feet of sewer laid 1887, 34,261.6, with which are connected 285 man-holes and 121 catch-basins. The sewer system of the city now consists of 62.89 miles of sewer, 2,367 man-holes, and 1,342 catch-basins.

The equipment of the Department is in good order. The engines and derricks have not all been used the past year; it is

expected that they will be needed soon. A schedule of the property belonging to the Department may be seen at the office of the Superintendent. Appraised value, \$6,000.

The labor of maintenance of sewers increases very rapidly. For several years past the length of sewers and the fixtures connected therewith, has increased one-tenth each year. Sewers are not self-cleansing unless they are laid at a regular uniform grade. This would be impossible in our city with its many hills and vales. The sewers in the lower streets and those with the light grades, need frequent cleansing. The leakage of illuminating gas has caused considerable annoyance in the sewers, principally on Southbridge and Providence streets. The nuisance was abated somewhat by the use of perforated man-hole covers.

The number of permits to enter private drains to public sewers the past year is 557.

Thanking your Committee for your many acts of official consideration, this report is

Respectfully submitted.

R. H. CHAMBERLAIN,

Supt. of Sewers.

ANNUAL REPORT

OF THE

COMMITTEE ON WATER.

To the City Council of Worcester :—

In accordance with Section 2, Chapter 53, of the City Ordinances, the Joint Standing Committee on Water submit their report for the year ending Nov. 30, 1887, together with the reports of the Water Commissioner, of the Water Registrar, and the City Engineer.

We refer you to those reports for many practical suggestions and much tabulated and statistical information.

Very few, if any, cities in the United States have a better supply of pure water than Worcester. The water sheds that furnish this supply are on high land and embrace very little that has a tendency to render their drainage impure.

The right of the inhabitants of this valley to its waters for domestic and other purposes seems to us self-evident, and the decision which gives to the inhabitants of another State a prior claim for manufacturing purposes does not seem to be warranted by common-sense, and we very much doubt if it can be sustained by common or statute law.

Our reservoirs are in good condition. The surroundings at the Lynde Brook and the Holden storage reservoirs have been improved considerably during the past year, and each year some improvements should be made until they are above criticism. The city owns quite a tract of land around the Holden reservoir, enough of which should be retained to always insure the purity of its waters. Ultimately we trust this will be

so much improved and beautified that it will furnish a place of interest and pleasure, during the summer months, for our citizens and friends visiting our city. With this end in view we hope that each succeeding year will find some improvement made.

We would suggest that the coming year the old barn on the Wadsworth place be removed and its site rendered inoffensive to the eye, and, as soon as the lease will allow it, we would also suggest the school-house be disposed of and its site properly cared for.

We are much gratified with the arrangement with the trustees of the Lunatic Asylum by which the city obtains control of a strip of land bordering on Bell Pond, and fully concur with the Commissioner in recommending that an effort be made to secure a strip on the other side, that the city may amply protect the waters of that reservoir.

We also concur in recommending a continuance of the removal of the cement-lined pipe, thirty-eight miles of which now remain. Should we continue at the rate of the past two years, it will take about fifteen years to accomplish its full removal, and that is as long as the best of it can be expected to last.

The call for water at the city farm is loud and demands your serious consideration. Something must be done.

As a consequence of the rapid growth of the city, the calls for water are numerous and imperative, and although to answer these calls much expense is incurred, most of them cannot be refused, and when answered they increase our revenue and ultimately lessen our city debt, as the surplus revenue from water rates is, by ordinance, turned into the sinking fund.

We especially call your attention to the suggestions of the Commissioner in reference to the purchase of supplies for his department.

During the past year special rates have been made with two manufacturing concerns using large quantities of water, and we are of the opinion that it will be for the interest of our city to reduce the rates to manufacturing establishments of less size, thereby holding out further inducements for manufacturing interests in Worcester.

We call your special attention to the suggestion of the Registrar in reference to the city's owning all water meters used. There is much complaint of the expense of repairs and a prospect that this complaint will increase as the meters now in use become more worn. In our opinion the increased revenue derived, were all meters kept in order, as they would be in the hands of the city, would fully pay for all repairs.

SAMUEL WINSLOW, *Mayor*.
J. L. ELLSWORTH,
L. L. BRIGHAM,
E. I. COMINS,
J. P. CHENEY, JR.,
CHAS. F. MANN,
J. C. LUBY,

Joint Standing Committee on Water.

REPORT

OF THE

WATER COMMISSIONER.

To the Joint Standing Committee on Water:—

GENTLEMEN :—I herewith submit the annual report of the Commissioner of the Water Department, giving in detail a statement of the condition of the reservoirs and of all work done by the department during the year ending November 30, 1887.

LYNDE BROOK RESERVOIR.

The gatehouses and grounds around the reservoir have been much improved since the date of my last report. Considerable loam and fertilizing material have been graded upon the surface and portions of the outer slope of embankment during the season. The fence between the Sargent farm and the City property on the east side was in a dilapidated condition ; this was taken down and a substantial stone-wall built upon the line.

The wooden boxes in which the waste gates, east of the lower gatehouse are located, were badly decayed, and have been taken out and replaced by stone, laid in cement.

The rainfall at this reservoir is shown in the following table :

T A B L E
Showing the Daily Height of Water in LYNDE BROOK RESERVOIR and the Rainfall for the Year ending November 30, 1887.

DATE.	DECEMBER.		JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		
	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.	Water.	Rainfall.			
1	33.08	...	35.30	.10	37.95	...	36.60	...	37.15	...	38.35	...	37.57	1.00	36.95	...	37.25	...	37.50	...	36.60	.95	36.35	...	
2	33.15	...	35.40	...	37.80	...	36.60	...	37.20	...	38.25	...	37.72	.04	36.82	...	37.27	.77	37.47	...	36.72	.30	36.31	...	
3	33.15	...	35.40	...	37.70	.40	36.60	...	37.20	...	38.20	...	37.76	.07	36.77	...	37.33	...	37.45	...	36.82	.06	36.29	...	
4	33.15	...	35.43	...	37.66	...	36.60	...	37.40	...	38.13	...	37.78	...	36.70	...	37.34	...	37.40	...	36.84	.03	36.26	...	
5	33.13	.10	35.45	...	37.63	...	36.60	...	...	...	38.10	.05	37.78	...	36.65	...	37.30	...	37.37	...	36.84	...	36.22	...
6	33.13	...	35.53	.70	37.60	.02	36.65	.90	37.02	...	38.05	...	37.75	...	36.60	.12	37.28	.19	37.33	...	36.84	...	36.17	...	
7	33.13	.04	35.60	...	37.58	...	36.75	...	37.52	...	38.05	...	37.73	...	36.55	...	37.30	...	37.35	.69	36.80	...	36.13	...	
8	33.15	...	35.60	...	37.58	.45	36.75	.05	37.65	...	38.05	...	37.72	...	36.46	...	37.23	...	37.40	...	36.75	...	36.10	...	
9	33.15	...	35.60	.25	37.61	...	36.80	...	37.85	...	38.04	...	37.70	.02	36.40	...	37.18	...	37.38	...	36.75	...	36.05	...	
10	33.15	...	35.60	...	37.60	...	36.85	...	38.20	...	38.02	...	37.65	...	36.35	.15	37.15	...	37.35	.08	36.72	...	36.02	.84	
11	33.12	...	35.60	...	37.67	.21	37.10	...	...	...	38.00	...	37.60	...	36.30	.02	37.10	.80	37.33	...	36.72	.33	36.10	...
12	33.16	.15	35.63	...	37.72	...	37.15	...	...	...	37.95	...	37.51	...	36.25	...	37.18	...	37.30	.48	36.70	...	36.15	...
13	33.16	...	35.63	...	37.70	...	37.20	...	...	...	37.88	...	37.48	...	36.17	...	37.15	...	37.35	...	36.67	...	36.15	...
14	33.20	...	35.70	.55	37.63	...	37.25	...	37.27	...	37.85	...	37.42	...	36.08	...	37.12	...	37.35	...	36.62	...	36.13	...	
15	33.22	...	35.70	...	37.63	.08	37.35	.01	37.35	...	37.82	...	37.36	...	36.01	...	37.05	...	37.35	...	36.60	...	36.18	.87	
16	33.23	.10	35.70	...	37.35	...	37.35	...	37.50	.37	37.80	...	37.25	...	35.95	...	37.01	...	37.33	...	36.55	...	36.35	.01	
17	33.20	...	35.72	.84	36.95	...	37.40	...	37.70	...	37.78	...	37.20	...	35.85	.275	36.95	...	37.30	...	36.50	...	36.36	...	
18	33.25	.81	35.75	...	37.02	...	37.40	...	37.85	.61	37.75	...	37.14	...	36.13	.10	36.90	2.45	37.25	...	36.46	...	36.35	...	
19	33.55	...	35.75	...	37.63	1.68	37.50	.07	38.00	...	37.72	...	37.08	...	36.10	...	38.15	...	37.20	...	36.41	...	36.35	.37	
20	33.70	...	35.80	...	37.46	...	37.65	.06	38.10	...	37.70	...	37.02	...	36.05	...	37.90	...	37.17	...	36.38	...	36.40	...	
21	33.83	...	35.75	...	37.11	.08	37.73	...	38.20	...	37.66	...	36.95	...	36.00	...	37.95	...	37.12	...	36.42	1.11	36.43	...	
22	33.90	...	35.72	...	...	.14	38.02	...	38.20	...	37.60	...	36.92	.31	36.00	.90	37.93	.65	37.06	.07	36.55	...	36.45	...
23	33.95	...	35.78	...	36.06	...	38.10	.76	38.18	...	37.57	...	36.95	.36	36.00	2.75	37.85	.32	37.03	...	36.58	...	36.42	...	
24	33.98	.56	36.25	.40	36.16	.45	38.10	...	38.20	.13	37.55	...	37.10	.85	36.80	...	37.80	1.40	36.96	...	36.55	...	36.42	...	
25	34.66	...	37.50	...	36.34	...	38.10	...	38.10	...	37.55	.50	37.22	...	37.20	...	38.15	...	36.83	...	36.53	...	36.45	.42	
26	34.95	...	37.80	.12	36.42	.77	37.05	...	38.25	.74	37.57	...	37.19	...	37.28	...	37.90	...	36.77	...	36.50	...	36.50	...	
27	35.04	.01	37.61	...	36.50	...	37.10	...	38.28	...	37.55	...	37.15	...	37.25	...	37.75	...	36.73	...	36.50	...	36.52	...	
28	35.13	...	37.66	...	36.55	...	37.30	1.59	38.20	.72	37.55	.65	37.08	...	37.23	...	37.65	...	36.68	...	36.46	...	36.55	.36	
29	35.13	...	37.85	.70	...	...	38.35	...	38.20	...	37.60	...	37.00	...	37.22	.51	37.60	...	36.65	...	36.43	...	36.62	...
30	35.13	.22	38.32	.02	...	...	36.90	...	38.45	...	37.60	...	36.95	...	37.27	...	37.55	.25	36.62	...	36.43	...	36.62	...
31	35.18	.64	38.05	...	...	...	37.05	...	...	...	37.57	...	...	...	37.27	...	37.55	...	...	...	36.38	...	...	...
Totals	..	2.63	...	3.68	...	4.28	...	4.28	...	2.66	...	1.20	...	2.65	...	7.30	...	6.83	...	1.32	...	2.78	...	2.87	...

The rainfall is in inches and decimals of an inch. The depth of water is shown in feet and decimals of a foot. Height of railway, 37.40 feet.
 Rainfall for year ending November 30, 1887, 42.48 inches.

HUNT RESERVOIR.

The gatehouse and reservoir grounds have received all needed care and attention during the year, and are now in excellent condition.

STORAGE RESERVOIR—HOLDEN.

The buildings connected with this reservoir are in good condition. A considerable portion of the land along the shores has been cleared of brush and timber back to the ten-rod line and it is confidently expected the whole will be completed during the coming winter. The house and barn on the Chamberlain farm have been put in thorough repair and painted. Some slight repairs were made to the buildings on the Wadsworth farm, and the Chapin farmhouse shingled. All the farms are rented to responsible parties who will conduct them in a manner which will in no way affect or pollute the water in the reservoir. A substantial wire fence has been built upon the lines each side of the brook channel below the reservoir to prevent cattle and horses pastured on adjoining lands from reaching the brook, and thereby polluting the water.

The channel has been cleared of all obstructions its entire length.

The following table shows the rainfall at this reservoir:

TABLE

Showing the Daily Height of Water in HOLDEN RESERVOIR and the Rainfall for the Year ending November 30, 1887.

REPORT OF WATER COMMISSIONER.

141

DECEMBER.	JANUARY.	FEBRUARY.	MARCH.		APRIL.	MAY.		JUNE.	JULY.		AUGUST.		SEPTEMBER.	OCTOBER.		NOVEMBER.
			Water.	Rainfall.		Water.	Rainfall.		Water.	Rainfall.	Water.	Rainfall.		Water.	Rainfall.	
1 20.15	29 20.30	22 20.46	17.84	...	16.75	20.54	...	20.25	19.84	...	20.40	...	20.39	19.90	1.15	18.92
2 20.30	20.26	20.40	17.65	...	16.76	20.50	...	20.27	19.77	...	20.35	...	20.31	20.12	.09	18.84
3 20.30	20.26	20.31	17.36	...	16.96	20.46	...	20.30	19.58	...	20.38	.87	20.28	20.15	.08	18.86
4 20.05	20.21	20.21	17.26	...	16.72	20.44	...	20.30	19.52	...	20.30	...	20.26	20.14	.14	18.78
5 20.27	20.18	20.08	17.15	...	17.84	20.40	...	20.29	19.51	...	20.24	...	20.24	20.11	...	18.64
6 20.27	20.25	19.49	17.17	...	18.44	20.98	...	20.27	19.31	.15	20.20	...	20.22	20.07	...	...
7 20.28	20.24	19.40	17.18	...	18.92	20.34	...	20.26	19.29	...	20.22	.20	20.25	20.01	...	18.40
8 20.28	20.24	19.20	16.90	...	19.14	20.32	...	20.21	19.16	...	20.19	...	20.24	19.99	...	18.38
9 20.25	20.22	19.40	16.83	...	19.30	20.31	...	20.23	19.12	...	20.16	...	20.22	19.98	...	18.36
10 20.25	20.21	18.95	16.90	...	20.55	20.31	...	20.20	18.91	.15	20.17	...	20.20	19.96	...	18.30
11 20.22	20.20	18.81	16.90	...	20.82	20.30	...	20.19	18.95	...	20.19	1.13	20.19	19.96	.16	18.37
12 20.23	20.20	18.76	16.95	...	20.74	20.28	...	20.15	18.79	...	20.34	...	20.26	19.94	...	18.20
13 20.25	20.19	18.48	16.95	...	20.61	20.28	...	20.12	18.78	...	20.30	...	20.26	19.91	...	18.22
14 20.25	20.19	18.20	16.88	...	20.54	20.26	...	20.12	18.62	...	20.28	...	20.24	19.89	...	18.18
15 20.26	20.20	18.04	16.80	...	20.43	20.25	...	20.00	18.53	...	20.20	...	20.22	19.88	...	18.40
16 20.18	20.20	18.08	16.77	...	20.51	20.24	...	19.86	18.49	...	20.17	...	20.20	19.86	...	18.55
17 20.18	20.20	18.09	16.69	...	20.50	20.20	...	19.84	18.40	.156	20.15	...	20.18	19.78	...	18.62
18 20.24	20.20	17.96	16.55	...	20.50	20.20	...	19.81	18.50	.04	21.80	4.85	20.15	19.74	...	18.67
19 20.39	20.20	18.52	16.40	...	20.49	20.18	...	19.71	18.53	...	20.06	...	20.10	19.60	...	18.71
20 20.40	19.96	19.17	16.44	...	20.46	20.16	...	19.64	18.48	...	20.60	...	20.03	19.46	...	18.78
21 20.35	19.88	19.17	16.47	...	20.45	20.15	...	19.57	...	.91	20.46	...	20.02	19.40	.84	18.82
22 20.30	19.50	19.06	16.60	...	20.45	20.15	...	19.50	18.35	...	20.58	1.30	20.01	19.54	...	18.88
23 20.22	18.76	18.90	16.81	...	20.45	20.14	...	19.60	18.49	4.36	20.66	1.56	19.90	19.54	...	18.89
24 20.27	19.04	18.74	16.38	...	20.44	20.14	...	20.01	20.30	.05	20.68	...	19.95	19.35	...	18.90
25 20.70	20.89	18.74	16.16	...	20.45	20.20	...	20.01	20.35	...	20.98	...	19.92	19.28	...	18.93
26 20.58	20.68	18.50	16.05	...	20.55	20.23	...	20.15	20.39	...	20.65	...	19.90	19.20	...	19.06
27 20.35	20.47	18.31	15.80	...	20.45	20.24	...	20.16	20.30	...	20.52	...	19.88	19.16	...	19.11
28 20.30	20.38	18.09	15.80	...	20.46	20.25	.82	20.10	20.24	...	20.40	...	19.86	19.10	...	19.20
29 20.28	20.21	18.50	16.65	...	20.52	20.25	...	20.02	20.20	.82	20.39	...	19.86	19.05	...	19.28
30 20.27	21.00	...	16.80	...	20.60	20.23	...	19.98	20.40	...	20.38	.04	...	19.00	...	19.35
31 20.25	20.69	...	16.75	...	...	20.22	...	...	20.35	...	20.36	...	...	...	...	...
Totals ..	3.00	4.82	4.89	...	...	.82	...	2.50	8.04	...	9.95	...	1.10	...	2.46	2.97

The rainfall is in inches and decimals of an inch. The depth of water is shown in feet and decimals of a foot. Height of railway, 20.10 feet.
Rainfall for year ending November 30, 1887, 40.55 inches.

DISTRIBUTING RESERVOIR—HOLDEN.

This reservoir and grounds are in good condition at the present time.

BELL POND.

This pond and the adjoining land owned by the City are in good condition. This important reservoir, owing to its close proximity to the City, requires constant care and attention to prevent fishing and the fouling of the water. In my last report, attention was called to the necessity of securing from the State property, a strip of land ten rods wide, bordering the west shore of the reservoir, for the better protection of this supply. Your committee, to whom this matter was referred, are able to report that satisfactory arrangements have been made with the Trustees of the State property for the transfer of this land by deed to the City, and approved by the City Council. I would recommend that some additional land on the east side be purchased from the Putnam farm and the whole enclosed with a suitable fence.

The past year has been an active one in this Department. Early in the season estimates of the quantity of pipe and special castings required to replace a large amount of the old cement-lined main pipe with cast-iron pipe, also for such extensions to our high and low service systems as might be called for and ordered during the season, were prepared and fully completed, after the contracts were awarded to the lowest bidders. The work of pipe laying commenced early in April, has continued up to date, and the last order of the City Council completed, except the relaying of a part of Orient street, which, owing to the necessity of lowering the pipe in streets where grade was changed, has not been done.

STREET MAINS.

The extensions to both the high and the low service lines, and the amount laid in place of cement-lined pipe taken out, together with the number of gates and hydrants set on new and old lines, are given in the following tables.

STREET.	LOCATION.	PIPE.		Hydrants.	Gates.	Service.
		Size.	Length in feet.			
Ascension,	From Norfolk to Orient.	6"	314	1	2	High Service.
Ballard,	" Millbury Street, east.	6"	1200	2	1	
Beaver,	" Main to Florence Street.	6"	745	1	2	
Berkeley & Shamrock	" Gage Street, east.	1"	365			
Brigham,	" End of Pipe east to Dale Street.	6"	195			
Channing,	" End of Pipe south to Kendall Street.	6"	184	1	1	High Service.
Diamond,	" Millbury Street, east.	1"	177½			
Eastern Avenue,	" Belmont to Catharine Street.	4"	653	1	1	High Service.
Florence,	" End of Pipe north to May Street.	6"	325	1	1	High Service.
Harlem,	" Millbury to North Harlem Street.	6"	389	1	1	High Service.
Harrison,	" Green Street, east to Canal.	2"	441			
Hathaway,	" Gardner to Hancock Street.	4"	360	1	2	
Lake Avenue,	" End of Pipe south to Sherbrook Avenue.	4"	354½		1	
Laurel,	" End of Pipe to Edward Street.	6"	231			
Lincoln St. Ave.	" Brittan Street, east.	1"	304			
Litchfield,	" End of Pipe, south.	1"	173			
Main,	" Front Street to Lincoln Square.	16"	3000	7	13	High Service.
Norfolk,	" Bloomingdale Street, north.	4"	502		1	
North Harlem,	" Harlem, north to Ward Street.	4"	353	1	1	High Service.
Orient,	" Ascension to Hawkins Street.	6"	785	1	1	
Park Avenue,	" End of Pipe, north.	8"	144			
Plantation,	" End of Pipe north to Warden Street.	2"	248			
Pleasant,	" End of Pipe to Wetherell's farm-house.	6"	1839	2	1	
Prentice,	" Belmont Street, south.	1"	348			
			13,630	20	29	

LENGTH AND SIZE OF NEW PIPE LAID.—Continued.

STREET.	LOCATION.	PIPE.		Hydrants.	Gates.	Service.
		Size.	Length in feet.			
Prospect, Sever, Sherbrook Ave. Smith Court, Warden, West, West, Bloomingdale, Grove,	From East Shelby Street, west. " End of Pipe north to Marston Way. " Lake Avenue, south. " Mulberry Street, east. " Bloomingdale Street, west. " End of Pipe, south. " Highland Street, south.	1" 6" 4" 2" 1" 6" 1"	238 408 442 247 ³ / ₄ 281 ¹ / ₄ 272 255	1	1 1 1 1	
			2,144	1	4	

STREET.	LOCATION.	PIPE.		Hydrants.	Gates.	Service.
		Size.	Length in feet.			
Barclay,	From Grafton to Harrison Street.	6"	559	1	2	
Beach,	" Pond to Winter Street.	4"	320	1		
Brown,	" Beach to Grace Street.	4"	275		2	
Carroll,	" Prospect to Laurel Street.	6"	483	1	3	
Cedar,	" Chestnut to West Street.	6"	1346	3	2	
Cross,	" East Worcester to Shrewsbury Street.	4"	335			
East Central,	" End of Pipe to Shrewsbury Street.	6"	776	3	2	
Foyle,	" Millbury to Ward Street.	4"	369		2	
Grace,	" Pond to Winter Street.	4"	279			
Hanover,	" Prospect to Arch Street.	6"	853	1	4	
Henry,	" East Worcester to Shrewsbury Street.	4"	414			
Hill,	" Shrewsbury to East Central Street.	4"	249			
Irving,	" Pleasant to Chatham Street.	6"	533	1	2	
Larkin,	" East Worcester to Shrewsbury Street.	4"	222			
Linden,	" Pleasant to Elm Street.	4"	531			
Mason,	" Pleasant to Chandler Street.	8"	945	1	3	
Mechanic,	" Bridge to Church Street.	8"	614	1	1	
Millbury,	" Green to Lafayette Street.	12"	868	2	2	
Newbury,	" Pleasant to Chandler Street.	8"	1224	1	1	
Orchard,	" Arch to Belmont Street.	6"	705	1	3	
Pond,	" Green to Grace Street.	6"	585	2	2	
Prescott,	" Redding Court, south.	8"	970	2	2	
Quinsigamond Ave	" Lamartine Street, east.	8"	736	1	1	
Redding Court,	" Prescott Street, east.	2"	206			
			14,397	22	34	

LENGTH AND SIZE OF PIPE RELAID.—Continued.

STREET.	LOCATION.	PIPE.		Hydrants.	Gates.	Service.
		Size.	Length in feet.			
Reservoir, Richland, Spring, Taylor, Water, Wellington,	From Edward to Eastern Avenue.	6"	385	1	1	
	" Millbury to Ward Street.	4"	450		2	
	" Front to Mechanic Street.	4"	316		2	
	" Millbury to Ward Street.	4"	446	4	8	
	" Grafton to Green Street.	12"	1799	1		
	" Main to Chandler Street.	6"	944			
			4,340	6	13	

LOCATION, SIZE AND KIND OF HYDRANTS, NEW AND CHANGED, DURING THE YEAR ENDING NOVEMBER 30, 1887.

STREET.	LOCATION.		KIND.	SIZE.	No. of Outlets.	Size of Connections.	Size of Street Mains.	TAKEN UP.
Ascension,	On south side,	corner Orient Street,	Chapman.	6"	2	6"	6"	New.
Ballard,	" north	" 600 ft. east of Vernon Street,	"	4"	2	4"	6"	"
"	"	" 200 ft. "	"	4"	2	4"	6"	"
Barclay,	" south	corner Clarkson Street,	"	4"	2	4"	6"	Wood Post.
Beach,	" west	opposite Brown Street,	"	4"	2	4"	4"	New.
Beaver,	" north	corner Florence Street,	"	4"	2	4"	6"	New.
Bloomington,	In yard of	Worcester Steel Works,	"	4"	2	4"	4"	Chapman.
Carroll,	On west side,	opposite Shelby Street,	"	6"	2	6"	6"	Flush.
Cedar,	" south	in front of W. E. Rice's house,	"	4"	2	4"	6"	"
"	"	corner Oak Street,	"	4"	2	4"	6"	"
"	"	opposite Everett Street,	"	4"	2	4"	6"	New.
Channing,	" east	corner Kendall Street,	"	4"	2	4"	6"	H. S.
Columbia,	" south	opposite Blake Street,	"	4"	2	4"	4"	Flush.
East Central,	" east	" Dublin Court,	"	4"	2	4"	6"	"
"	"	corner Hill Street,	"	4"	2	4"	6"	"
"	"	" Hospital Land,	"	4"	2	4"	6"	New.
Eastern Avenue,	" west	" Kendall Street,	"	4"	2	4"	4"	New.
Exchange,	" north	opposite Cypress Street,	"	4"	2	4"	4"	Chapman.
Florence,	" west	300 ft. south of May Street,	"	4"	2	4"	6"	New.
Hanover,	" north	corner Laurel Street,	"	4"	2	4"	6"	Flush.
Harlem,	"	370 ft. east of east line of Millbury St.	"	4"	2	4"	6"	New.
Hathaway,	" west	opposite Hancock Street,	"	4"	2	4"	4"	Flush.
Irving,	"	" No. 16,	"	4"	2	4"	6"	New.
Main,	"	corner Pearl Street,	"	6"	4	6"	16"	H. S.
"	"	opposite Foster Street,	"	6"	4	6"	16"	"
"	"	" Exchange Street,	"	6"	4	6"	16"	"
"	"	" Central Street,	"	6"	4	6"	16"	"
"	"	" Thomas Street,	"	6"	4	6"	16"	"
"	"	" School Street,	"	6"	4	6"	16"	"
"	"	corner Highland Street,	"	6"	4	6"	16"	"
"	" east	north line Burnside Block,	"	6"	2	6"	16"	Flush.
"	" north	opposite Car Stable,	"	4"	2	4"	6"	Chapman.
Market,								

LOCATION, SIZE AND KIND OF HYDRANTS, NEW AND CHANGED, DURING THE YEAR ENDING NOVEMBER 30, 1887.

STREET.	LOCATION.		KIND.	SIZE.	No. of Outlets.	Size of Connections.	Size of Street Mains.	TAKEN UP.
Mason, Mechanic, Millbury, " "	On west side,	opposite Car Stable,	Philadelp ^a .	6"	2	6"	8"	New.
Newbury, North Harlem, Orchard,	" south	corner Spring Street,	Chapman.	6"	2	6"	8"	Flush.
Orient, Penn Avenue, Pleasant,	" west	opposite Foyie Street,	"	6"	2	6"	12"	"
Pond, " "	" east	corner Lafayette Street,	"	6"	2	6"	12"	"
Prescott, " "	" west	" Chatham Street,	"	4"	2	4"	8"	"
Putnam Lane, Quinsigamond Ave. Reservoir,	" north	130 ft. north of Glen Street,	"	4"	2	4"	4"	New.
Shelby, Sherbrook Avenue, Vernon,	" south	corner Hawkins Street,	"	6"	2	6"	6"	Flush.
Ward, Water, " "	" east	" Clarkon Street,	"	4"	2	4"	6"	New.
Wellington, " "	" north	opposite Wetherell's farm-house,	"	4"	2	4"	6"	Wood Post.
	" east	" N. E. Kelley's house,	"	4"	2	4"	6"	New.
	" north	corner Beach Street,	"	4"	2	4"	6"	Flush.
	" east	" Grace Street,	"	4"	2	4"	6"	New.
	" east	" Prescott Place,	"	6"	2	6"	8"	Wood Post.
	" north	" McCormick's Court,	"	6"	2	6"	8"	New.
	" south	east of B. & A. R. R.	"	4"	2	4"	8"	Chapman.
	" west	opposite Ellsworth Street,	"	4"	2	4"	8"	New.
	" north	corner Edward Street,	"	4"	2	4"	6"	Wood Post.
	" west	opposite Mulberry Street,	"	4"	2	4"	4"	"
	" east side,	200 ft. west of west line of Lake Avenue,	"	4"	2	4"	4"	Wood Post.
	" west	corner Union Avenue,	"	4"	2	4"	4"	"
	" "	" Taylor Street,	"	4"	2	4"	4"	New.
	" "	" Pond Street,	"	4"	2	4"	8"	Wood Post.
	" "	opposite Ledger Street,	"	6"	2	6"	4"	"
	" "	" Columbia Street,	"	6"	2	6"	12"	New.
	" "	corner Harrison Street,	"	6"	2	6"	12"	Flush.
	" north	opposite Brigham Street,	"	4"	2	4"	12"	"
	" "	" "	"	4"	2	4"	6"	New.

CEMENT-LINED MAIN PIPE IN USE NOVEMBER 30, 1887.

	2"	3"	4"	6"	8"	10"	12"	16"	18"	20"	TOTAL.
1864			687	2,036	53		5,335	9,811	1,980	1,056	20,958
1865	144		7,345	2,316	2,133			2,300			14,238
1866	857		6,627	1,085	3,669			1,869			14,107
1867	1,677	2,520	3,361	1,981	8,087			843			18,469
1868	1,334	794	10,019	709							12,856
1869	4,080		15,085	1,869	3,737		2,430				27,201
1870	807	290	11,152	5,225	2,810						20,284
1871	115	312	16,459	8,442	4,420						29,748
1872	396	226	3,025	6,776		1,950	2,000				14,373
1873			6,309	7,539	4,407						18,255
1874			1,480	4,133	1,073						6,686
1875				1,010	1,150						2,160
1877					272						272
1880						1,353					1,353
Total feet.	9,410	4,142	81,549	43,121	31,811	3,303	9,765	14,823	1,980	1,056	200,960
" miles.	1.782	.784	15.444	8.167	6.024	.625	1.849	2.807	.38	.20	38.062

TOTAL LENGTH AND SIZE OF PIPE LAID, AND NUMBER OF GATES AND
HYDRANTS IN USE NOVEMBER 30, 1887.

	2"	3"	4"	5"	6"	8"	10"	12"	16"	18"	20"	24"	30"	Miles.	Gates.	Hydrants.
Prior to 1887.	15,771	6,960	130,266	1,487	127,975	98,221	10,686	43,295	53,464	1,980	21,088	11,414	7,060	100.312	940	811
Laid in 1887.	1,143		6,870		14,056	4,633		2,667	3,000					6.13	57	31
Total.	16,914	6,960	137,136	1,487	142,031	102,854	10,686	45,962	56,464	1,980	21,088	11,414	7,060	106.445	997	842
Pipe taken up 1887.	485	3,356	6,553		3,508	3,967	868							3.548		
Total ft.	16,429	3,604	130,583	1,487	138,523	98,887	9,818	45,962	56,464	1,980	21,088	11,414	7,060			
Total Miles.	3.111	.682	24.731	.281	26.235	18.728	1.859	8.704	10.693	.375	3.993	2.160	1.340	102.897		

TABLE SHOWING THE NUMBER AND CAUSE OF LEAKS.

ON.	CAUSE.	H. S.	L. S.	TOTAL.
Cement.	Rust.		30	30
"	Sleeve		3	3
Iron.	Joint	8	2	10
"	Split	1		1
"	Union		1	1
"	Rust.		2	2
Service.	Lead connection		25	25
"	Union		2	2
"	Coupling.		2	2
"	Split.		2	2
Hydrant.	Lead joint		2	2
		9	71	80

The failure on the part of contractors to deliver the pipe and special castings, as per agreement, has caused serious trouble and annoyance to the Commissioner, and necessitated a continual changing of plans all through the season, and had it not been for the mild weather, during the past month, would have cut short our season's work.

CONTRACTS.

From long experience and observation in the iron market, I am satisfied that several dollars per ton would be saved the city in the purchase of cast-iron water pipes and special castings, to be used in extending our main lines and to replace a large amount of the old cement-lined pipe, which must be done each year, if the contracts for the amount needed were placed in the fall, when the lowest prices for the year could be obtained and the most satisfactory arrangements for delivery secured. The same results would follow in the purchase of all other large supplies, such as pig lead, lead pipe, valves, gates, hydrants, waste stops, etc. I would recommend this matter for your consideration.

A new two-story brick barn, 38x40 feet, with cellar of same size, and all needed furnishings and fixtures for the accommodation and care of the horses belonging to the Department, has

been built at the yard in rear of Thomas-street repair shop; also a shed, 36x80 feet, providing ample storage room for stock and tools, and shelter for teams, while loading and unloading, in stormy weather.

I desire to renew the recommendation made in my last report, in reference to the necessity of taking out as much of the old cement-lined pipe as possible each year, and of the importance of a low service line being laid through Cambridge street.

SERVICE PIPES.

The number of applications received during the year is 478. Two have been withdrawn, and 14 not acted upon. Seven left over from last year have been put in, making the number added during the year 469. Total number of services, 8,098. 9,674 feet of service pipe has been laid, at an expense to the city of \$4,968.52, and 11,418 feet laid, at an expense to individuals of \$3,789.53.

This includes 270 feet of 6-inch and 85 feet of 4-inch cast-iron; 89 feet of 3-inch; 117 feet of 2½-inch; 586 feet of 2-inch; 80 feet of 1½-inch; 22 feet of 1¼-inch; 1,754 feet of 1-inch and 18,089 feet of ¾-inch wrought-iron pipe.

Twenty-three service pipes have been changed for which 233 feet of pipe was laid at an expense to the city of \$151.24 and 875 feet laid for individuals at an expense of \$324.37. 5,487 feet have been laid for temporary mains, the persons thus supplied paying the expense of trenching and laying, the department furnishing the pipe. The total length of service pipe laid 27,687 feet or 5.24 miles.

The total length of service pipe laid for the city 34.32 miles, and for individuals 37.83 miles, or a total length of 72.15 miles, exclusive of temporary mains.

Eight hundred and seven tons of pipe and forty-seven tons of special castings from Mellert Foundry and Machine Co. "Limited", of Reading, Pa., and twenty-eight tons of castings from the Foundry of Caleb Colvin, were received during the year. 162 stops and connections on cement-lined pipe have been cleaned during the year.

The water has been shut off from the premises of 15 takers, and 12 let on, on payment of bills.

Value of stock and tools on hand \$32,127.24.

The number of bills rendered the City Treasurer for collection during the year 1,776, amounting to \$20,546.87. The number of abatements 32, amounting to \$310.06. Number of bills in the hands of the City Treasurer 350, this includes 247 November bills which amount to \$2,478.59. Amount collected during the year, \$19,678.03.

Respectfully submitted,

JOHN G. BRADY,

Water Commissioner.

Worcester, December 19, 1887.

REPORT

OF THE

WATER REGISTRAR.

To the Joint Standing Committee on Water.

GENTLEMEN :—In compliance with the requirements of Section 8 of the Ordinance relating to water, I herewith submit my annual report :—

Four hundred and seventy-eight applications for water were received during the year and placed in the hands of the Commissioner.

Bills for water have been rendered to the City Treasurer for collection as follows:—

For Metered Water,	12,942,	\$105,530 77
For Annual Rates,	1,618,	17,574 57
	<hr/>	<hr/>
	14,560	\$123,105 34

The amount of Revenue received from water rates for the financial year was \$129,609.98.

The amount of uncollected bills in the hands of the City Treasurer, Dec. 1, 1887, was \$3,966.05 against \$14,856.63 last year.

The amount appropriated from Water Rates to Sinking Funds was \$45,463.70, being \$13,500.90 more than last year.

During the year the sum of \$2,639.32 has been deducted from the amount charged for water rates and metered water, owing to changes from annual rates to metered rates, vacant tenements, and adjustment of bills of water takers.

The quantity of measured water furnished during the eleven months ending Aug. 30, 1887, inclusive of water used for sprinkling streets, was as follows:—

From October, 1886, to April, 1887,	294,846,766 gallons.
From April, 1887, to September, 1887,	289,322,509 “
Total,	584,169,275 “

The water was shut off from twenty takers for non-payment of water bills. Eighteen were paid, and two remain shut off.

METERS.

The number of new meters set during the year was five hundred (500) making the total number in use at the present time 6,854.

METERS IN USE.

KINDS.	SIZES.									TOTAL.
	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{2}$ "	2"	3"	4"	6"	8"	
B. & F. Piston	1446	258	50	5	12		1			1772
Union, Rotary	3541	166	67	47	98	26	6	2	1	3954
Duplex . . .	2									2
Desper . . .	1055	35	1							1091
Crown . . .	16	2			1	1				20
Gem	6		1		1	3	4			15
	6066	461	119	52	112	30	11	2	1	6854

In my last annual report I called your attention to the unsatisfactory condition of the present meter system, as meters are allowed to remain on until they are worn out and fail to register, and also to the fact that from one thousand to fifteen hundred meters then on the works were not registering more than fifty per cent. of the water passing through them. This was true of last year, and the number is increasing every year, and will continue to increase until such time as the City shall own all meters on the works.

I am of the opinion that if the City ever does own the meters the increased revenue from metered water will be a surprise to everyone.

ELEVATORS.

Nineteen new elevators have been added to the works during the past year ; fifteen on high service and four on low service, making at the present time on high service sixty-one, and on low service, seventy-five, this making the total number now in use one hundred and thirty-six.

REVENUE.

Owing to a change of time for collection of metered water bills we have collected for eleven months of the present year, and find our increase of revenue for the eleven months to be \$11,858.43 over the twelve months of last year.

CANVASS.

A careful canvass of the water-takers of the city has been taken by the meter readers, and as a result we find a wonderful growth of the city, as also of the Water Department. No canvass has been taken previous to this since 1884, and for comparison I give the figures of the last canvass together with the one completed this year :—

	1887	1884.
Number of dwellings,	7,232	5,264
“ families,	15,520	11,570
“ persons,	69,857	51,298

That this rapid increase is not confined to the last four years will be seen by a comparison of the last ten years.

Meters in use in 1877, 2,423 ; in 1887, 6,854. Number of metered water bills rendered to the Treasurer in 1877 was 4,428 ; in 1887, 12,942.

During the past year new location books have been opened and all the locations have been transferred from the old to the new books. This has been attended with some extra expense, as it has been found necessary to employ an additional clerk a

portion of the time. The money has been well expended, as the old books had become completely worn out, having been in constant use since the Department has been in existence.

CONSUMPTION *vs.* WASTE.

The quantity of water needed for daily use in the city, and that actually consumed are problems difficult to solve. That large water bills are caused by leakage and waste are facts which we know to exist. Meters serve to check the waste of water, but to assume that they stop all waste would be foolish. Meter or no meter, water will be wasted as long as there is any to be used.

PREVENTION OF WASTE.

To prevent waste and unusually large water bills, I take the liberty to suggest to the water-takers the following advice: Keep your faucets well packed; if you have a tank, examine it frequently to know if the float is in good condition. If your tenant persists in allowing water to run to waste by allowing a faucet to remain open, attach self-closing faucets to all your fixtures; if your pipes are so arranged as to freeze in cold weather, alter the condition of things, or allow the water to run and pay for it without expecting the city to make an abatement.

REMARKS.

The new ordinance whereby owners of property are compelled to procure a permit from the Water office before making any additions to fixtures, went into effect immediately after its adoption by the City Council and proves to be of much benefit to the department.

Six hundred and fifty notices have been sent during the year to water-takers, calling their attention to excessive use or waste of water. Meter readers are instructed to take note of all places where water appears to be wasted and report the fact in each case to this office. The policy of your Registrar is to notify parties

in all cases where the increase is such as to call his attention or that of the meter reader to the increase. Where the increase is gradual and continues through the entire six months, it is impossible to notice it, as it would necessitate the comparison of all readings with the reading of the corresponding months of the year previous. If water-takers will exercise a little care and see that their fixtures are all in good order, and tenants cautioned not to allow waste, they will seldom have cause to visit the Water office with complaints of large bills.

Respectfully submitted. .

GEO. E. BATCHELDER,

Water Registrar.

REPORT OF THE CITY ENGINEER
TO THE
COMMITTEE ON WATER.

CITY ENGINEER'S OFFICE, }
Worcester, Dec., 19th, 1887. }

To the Joint Standing Committee on Water:

In compliance with provisions of Section 2, Chapter 17, of the City Ordinances the following report is submitted.

The dams at the Lynde Brook and Holden reservoirs have been carefully examined at various times during the year and found to be in excellent condition. I am of the opinion that the wasteway at the Holden dam should be extended, at a flat grade, for a distance of about 40 feet from its present terminus, as great difficulty is experienced in keeping the channel below the dam in good condition, owing to the force of the water as it is discharged from the wasteway. This can be done at comparatively small expense and will greatly improve the condition of things. I would also suggest that the work of clearing the trees and brush from the sides of the reservoir, and inside of the ten-rod line, be continued as rapidly as possible, as it is important to keep the storage basin as free as possible from leaves and other vegetable matter, that if deposited, will decay and have a tendency to contaminate the water.

Respectfully submitted,

CHARLES A. ALLEN,

City Engineer.

R E P O R T

OF THE

COMMISSIONER OF HIGHWAYS.

To the Honorable City Council of the City of Worcester.

The undersigned herewith submits the Annual Report of the Expenditures and Earnings of the Highway Department for the year ending November 30, 1887; also a schedule of the property in charge of the same at that date, together with some of the more important work on various streets.

The City Council passed an order for widening the roadway at the northeasterly end of Main street, from the estate of S. M. Richardson to a point near Sudbury street. On the westerly side the sidewalk has been made narrower, curbstones reset, walks relaid and trees removed. After commencing the work, some of our citizens, feeling aggrieved at the loss of the old trees, served an injunction on your Commissioner, which caused delays and some criticism. A hearing on the matter was held before the Honorable Board of Mayor and Aldermen, and the order was confirmed. The expense was \$942.88; and owing to the delay in laying the "high service" water pipe the street could not be repaved until next season.

The heavy rains of July and August did much damage to the streets in the northwest part of the city; Pleasant street in particular was so badly washed that it had to be closed for a short time; and the other streets that were damaged were Bailey, Winter Hill, and the roads at North Worcester. The streets that have had the largest outlay for repairs, all with gravel, are Belmont, Highland, Grafton, Park avenue, Lincoln, Millbury, Shrewsbury, Grove and Millbury avenue. The streets that have

required the largest outlay for repairs with macadam, are Prescott, Summer, Pleasant and Green. The streets that have been either wholly or partially macadamized are Lamartine, Millbury and Southbridge. The bridges that have been repaired are Prescott-street bridge at an expense of \$31.25; Oread foot-bridge (for painting), \$62.58; Mill-street bridge, \$48; Jamesville bridge, over B. & A. R. R., \$262.35; Webster-street bridge, \$23.67; Foster-street bridge, \$34.15; and June-street bridge, \$121.10.

As to the Franklin street bridge: By an order passed by the City Council May 2d, 1887, the Joint Standing Committee on Highways and Sidewalks was directed to proceed to construct the Franklin street bridge in accordance with the decree of the County Commissioners and the agreement with the several railroad companies interested therein. By vote of the Committee on Highways and Sidewalks, your Commissioner was ordered to commence work as soon as the railroad officials would sign the agreement, which they did not do until the 3d of September, far too late in the season for work of this character. The work has been pushed, and, the season being favorable, the contractors, Webb & Batchelder, will finish the stone work, with good weather, in about twenty days. The grading cannot be finished until the bridges are put on by the railroad companies. The expense up to the 1st of December was \$14,521.11.

Hermon street has been improved by moving the abutments of the railroad bridge back to the line of the street, and by a change in the grade, allowing more head room under the bridge, and by paving the same from the westerly side of the bridge to South-bridge street with "block" paving. The work was done jointly by the city and railroad company, the city moving one abutment at an expense of \$1,325.85, besides the work done by the Highway Department, amounting to \$1,360.90.

We have set 13,680 feet of curbstone in the last year, and used 460 M. of brick in constructing sidewalks. This increase of sidewalks every year necessarily involves a larger expenditure for snow and ice. The streets, on the whole, are in good repair.

BLOCK PAVING.

The order for paving Madison street with block paving, between the easterly track of the Norwich and Worcester Railroad and Southbridge street; also to pave Southbridge street with block paving, between Madison street and the Boston and Albany Railroad bridge, and to pave with block paving that portion of Bloomingdale road lying in front of the Boston and Albany freight-house. The expense for labor and material is as follows:—

MADISON STREET.

253 $\frac{8}{10}$ square yards new blocks,	\$456 84
25.5 " " old "	5 10
72.5 feet new curbstone,	29 00
Grading, gravel, &c.,	100 90
	<hr/>
	\$591 84

SOUTHBRIDGE STREET.

4668.5 square yards new blocks,	\$8,403 28
441.4 " " old "	73 66
267.6 feet flagstone, new,	133 80
108.6 " " relaid,	10 86
1286.6 " curbstone, new,	513 84
38.7 " " reset,	3 87
16.6 " circle curbstone, new,	9 13
60 square yards cobble paving, new,	12 00
47.7 " " gutter, " "	21 46
12.3 " " " " relaid,	2 46
1 long corner, new,	4 00
4 " " reset,	1 00
Labor, grading,	1,360 92
Gravel, sand, &c.,	108 25
Engineering,	32 37
	<hr/>
	\$10,690 90

BLOOMINGDALE ROAD.

1935.6 square yards block paving, new,	\$3,484 08
4.8 " " " " relaid,	96
Labor, grading, gravel and sand,	440 83
	<hr/>
	\$3,925 87
Total for block paving,	<hr/>
	\$15,208 61

CURBSTONE, GUTTER PAVING AND CROSSWALKS.

Amount of new curbstone set,	12,122.6 lineal feet.
“ “ circle curbstone set,	17.5 “ “
“ curbstone reset,	1,540 “ “
<hr/>	
Total number of lineal feet set,	13,680.1
Amount of new gutter paving,	5,374.5 square yards.
“ gutter paving relaid,	850.7 “ “
“ new crosswalk paving,	442.1 “ “
“ crosswalk paving relaid,	116.9 “ “
“ new cobble paving,	245.9 “ “
“ “ block “	103.1 “ “
“ old “ “	106.8 “ “
“ brick paving relaid,	206.1 “ “
<hr/>	
Total amount of paving laid,	7,446.1
Amount of new flagstone,	1,839.7 lineal feet,
“ flagstone relaid,	423.8 “ “
<hr/>	
Total amount of flagstone laid,	2,363.5
Number of new street corners,	39
“ street corners reset,	6
<hr/>	
Total number of corners set,	45

The location and cost of the above work is as follows:—

ASSONET STREET.

Both sides, from Plymouth street to Gold street court. Expense, \$1,179 23

BLOOMINGDALE ROAD.

South side, from the easterly terminus of the curbstone as now set,
to the curbstone as set in front of the estate of Graton &
Knight. Expense, \$451 57

BELMONT STREET.

South side, from Elizabeth street to Eastern avenue. Expense, \$461 03

BELLEVUE STREET.

East side, from Austin street to Pleasant street. Expense, \$540 08

CEDAR STREET.

South side, from Fruit street to North Merrick street. Expense, \$461 11

CLINTON STREET.

West side, from Chatham street northerly 90 feet, and on the south
parallel with Chatham street 90 feet. Expense, \$150 07

EAST CENTRAL STREET.

North side, from Eastern avenue to the east line of the estate of Rev. Denis Scannell. Expense,	\$677 70
--	----------

HANOVER STREET.

West side, from Glen street to Belmont street. Expense,	\$436 48
---	----------

HAWLEY STREET.

East side, from Pleasant street to Austin street. Expense,	\$717 50
--	----------

JAQUES AVENUE.

Both sides, from Piedmont street to Queen street. Expense,	\$300 97
--	----------

LINCOLN STREET.

East side, from Green lane to Washington avenue. Expense,	\$796 64
---	----------

MAIN STREET.

Southerly side, from Gardner street easterly 60 feet. Expense,	\$12 81
--	---------

NORWOOD STREET.

Northerly side, from Main street 200 feet westerly from Main street, and on the southerly side from a point 200 feet west of Main street to Woodland street. Expense,	\$499 28
---	----------

PENN AVENUE.

West side, from Grafton street to Harrison street. Expense,	\$616 23
---	----------

PRESCOTT STREET.

West side, from Lincoln square to Lexington street. Expense,	\$1,022 04
--	------------

PLEASANT STREET.

North side, from Merrick street to Hudson street. Expense,	\$1,077 79
--	------------

SOUTH RUSSELL STREET.

West side, from Larch street to Austin street. Expense,	\$293 15
---	----------

SILVER STREET.

Northwest side, from May street to Claremont street. Expense,	\$408 99
---	----------

WOODLAND STREET.

West side, from May street to Oberlin street. Expense,	\$608 87
--	----------

WINDSOR STREET.

East side, in front of the estate of F. W. Wellington. Expense,	\$192 53
---	----------

Total expense for curbstone and gutters,	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> \$10,904 07
--	---

CROSSWALKS.

Main street,	Expense,	\$248 55
Mechanic street,	"	164 70
Westminster street,	"	40 28
Lamartine street,	"	108 72
Sargent street,	"	7 55
Belmont street,	"	31 30
Lincoln street,	"	37 23
Prescott street,	"	46 30
Woodland street,	"	4 20
Norwood street,	"	32 62
Park street,	"	8 33
Penn avenue,	"	29 09
School street,	"	97 88
Pleasant street,	"	102 92
Fruit street,	"	2 40
Cedar street,	"	31 59
Elm street,	"	30 50
Queen street,	"	46 75
Pleasant street,	"	79 34
Austin street,	"	33 10
Park avenue,	"	126 32
Hawley street,	"	30 46
Ripley street,	"	50 70
Millbury street,	"	200 63
South Russell street,	"	20 16
North Merrick street,	"	128 55
Clinton street,	"	27 04
Chestnut street,	"	13 50
Russell street,	"	62 75
Main street,	"	92 65
Wellington street,	"	131 06
Millbury street,	"	132 20
Pleasant street,	"	30 10
Wellington street,	"	72 46
Jackson street,	"	21 70
Total for crosswalks,		<hr/> \$2,323 63
Patching sundry brick walks,		\$160 40
Relaying gutters, resetting curb and flagstones,		422 14
Sand and gravel,		28 50
Repairs on tools,		200 00
Engineering,		291 62
		<hr/>
		\$1,102 66
Total expense to the City for curbstones, gutters and crosswalks,		\$14,330 36

MAINTENANCE.

Repairing streets, roads, bridges, cleaning streets, macadamizing, &c.

Repairs at crusher and stables,	\$245 48
Repairs on bridges,	583 10
Street cleaning,	7,188 83
Snow and ice,	7,512 51
Incidental labor,	769 30
	<hr/>
	\$16,299 22

MACADAM.

The expense of macadamizing the whole or a portion of the following-named streets, is as follows:—

Sumner street,	\$1,135 22	Prescott street,	116 22
Millbury “	2,224 30	Green “	186 25
Lamartine “	1,200 59	Sundry streets,	127 71
Southbridge “	931 51		<hr/>
Pleasant “	398 01	Total for macadamizing,	\$6,319 81

REPAIRS ON STREETS AND ROADS.

Austin street,	\$114 05	Bigelow street,	27 22
Ararat “	19 95	Bowdoin “	78 95
Agricultural “	207 61	Barclay “	49 64
Asylum “	12 65	Byron “	32 50
Assonet “	10 35	Barber “	9 96
Ascension “	78 20	Boynton “	29 35
Ashland “	3 10	Blossom “	20 40
Ætna “	24 20	Chandler “	241 29
Arlington “	20 40	Catharine “	30 40
Belmont “	1,011 35	Crescent “	62 85
Brooks “	36 40	Cambridge “	297 46
Bloomington “	339 65	Canterbury “	32 35
Boylston “	16 35	Coral “	14 20
Bailey “	30 82	Chester “	33 00
Burncoat “	344 00	College “	92 65
Bradley “	51 95	Claremont “	6 20
Blithewood “	18 20	Chatham “	31 30
Beacon “	38 45	Clarkson “	9 25
Bridge “	49 95	Church “	35 55
Beaver “	20 40	Crystal “	24 15
Barrett road,	97 05	Cliff “	54 80
Ballard street,	344 10	Cypress “	10 60
Bellevue “	10 25	Charlton “	25 10

Central	street,	56 10	Heard	street,	53 20
Chestnut	"	41 20	Harvard	place,	11 76
Clover	"	24 70	Hemans	street,	11 37
Court hill,		15 86	Hayward	"	36 40
Cutler	street,	21 30	Harrington	avenue,	31 47
Clinton	"	10 00	Irving	street,	84 30
Columbia	"	28 95	Ingalls	"	31 05
Castle	"	14 70	Jaques	avenue,	35 00
Clifton	"	34 84	James	street,	55 30
Cherry	"	17 90	Jackson	"	23 36
Dewey	"	17 20	John	"	9 20
Downing	"	27 90	Jefferson	"	70 82
Dryden	"	11 37	Kingsbury	"	19 16
Eastern	avenue,	73 82	Kendall	"	20 45
East Central	street,	96 91	Kilby	"	8 75
Elm	"	143 61	King	"	12 40
Edgeworth	"	57 52	Lincoln	"	980 45
Ellsworth	"	37 20	Lodi	"	7 90
Foster	"	353 35	Leicester	"	137 75
Fowler	"	188 50	Lagrange	"	5 05
Fox	"	31 20	Ludlow	"	103 80
Fremont	"	28 40	Ledge	"	10 01
Flagg	"	74 65	Linden	"	21 45
Forest	"	36 40	Lovell	"	18 75
Fruit	"	91 20	Millbury	"	434 04
Gardner	"	13 29	Main	"	154 38
Grafton	"	900 29	Main	" widening,	942 88
Grove	"	296 14	May	"	193 15
Granite	"	173 40	Mountain	"	61 91
Green	lane,	8 25	Mower	"	11 37
Gage	street,	4 80	Malden	"	21 65
Garden	"	19 80	Millbrook	"	68 65
Greenwood	"	86 55	Milton	"	60 08
Gold	"	15 01	Myrtle	"	12 52
George	"	10 00	Mason	"	30 95
Gates	lane,	29 49	Mill	"	26 75
Grand	street,	12 55	Millbury	avenue,	597 61
Hollywood	"	9 96	Mendon	street,	21 30
Highland	"	1,196 90	Mulberry	"	8 10
Houghton	"	11 78	Moreland	"	187 05
Hammond	"	19 31	Melrose	"	3 91
Hamilton	"	72 00	Madison	"	2 26
Harrison	"	14 75	Mott	"	9 25
Harvard	"	41 13	North	"	47 25
Hope	avenue,	115 75	Nixon	"	6 94
Hollis	street,	17 30	Norfolk	"	9 90
Hanover	"	4 20	Norwich	"	41 85
High	"	7 25	Normal	"	3 05

Nelson	place,	27 35	State	street,	43 00
Norwood	street,	4 40	Sigourney	"	14 56
Orient	"	21 96	Shepard	"	18 91
Oread	"	30 70	Sundry	streets,	3,040 73
Oxford	"	15 95	Taft	street,	19 88
Orange	"	23 96	Townsend	"	20 40
Old Boylston	"	17 70	Union	avenue,	54 25
Oread	place,	15 20	Union	street,	9 25
Pleasant	street,	819 16	Upland	"	18 75
Providence	"	123 90	Vernon	"	58 77
Piedmont	"	165 81	Vine	"	19 69
Penn	avenue,	3 07	Water	"	19 95
Plantation	street,	338 10	Wall	"	10 70
Park	avenue,	1,088 37	Woodland	"	31 10
Pond	street,	48 11	West Boylston	"	69 25
Pearl	"	32 75	Washburn	"	17 90
Perry	"	78 96	Winter	"	69 22
Pattison	"	28 82	William	"	14 00
Parker	avenue,	8 55	Washington	"	5 70
Parker	street,	9 96	Ward	"	16 50
Queen	"	16 80	Winthrop	"	13 50
Rice	court,	48 45	Webster	"	10 28
Richards	street,	44 60	West	"	77 15
Shrewsbury	"	418 44	Whipple	"	103 05
Suffolk	"	54 80	Wachusett	"	26 85
Southbridge	"	148 02	Washington	square,	25 95
Stafford	"	139 50	Washington	street,	30 45
Sever	"	14 45	Whittier	"	23 20
Stebbins	"	37 25	Windsor	"	61 55
Salisbury	"	306 85			
Spring	"	26 33			
Summit	"	9 55	Total, for repairing streets		
Sycamore	"	12 60	and roads,		\$21,660 94
South Irving	"	26 80			
			Total for maintenance,		\$44,279 97

EXPENDITURES.

Salary of Commissioner,	\$2,090 56
Labor, as per pay-roll,	50,731 59
" " hired teams,	12,604 68
" " sundry persons,	117 78
Hay and grain,	3,846 49
13,987 $\frac{7}{12}$ lineal feet curbstone,	3,780 66
2,719 $\frac{5}{12}$ lineal feet flagstone,	1,087 76
2,758 $\frac{20}{100}$ tons crushing stone,	1,103 52
Wall stone and gravel,	900 47
Cobble stones,	662 24
64 street corners,	128 00

420,000 paving bricks,	3,669 19
7,228 ⁸ / ₁₀ square yards paving blocks,	11,566 08
Paving,	6,044 86
Tools and repairs,	2,289 55
Shoeing,	575 30
Lumber,	937 56
Rolling stock,	108 75
Live stock,	926 50
Engineering,	1,144 40
Drain pipe, cement, powder, &c.,	61 63
Advertising, writing, printing, &c.,	564 94
Insurance on stock,	75 00
Fuel, lights, medicines and attendance at stables,	219 81
Maintaining water troughs,	33 00
Coal used at crusher,	100 78
New England Telephone Co., use of bell,	11 50
Photograph materials for engineering department,	97 43
Refreshments for men,	7 00
Traveling expenses, telegraphing, &c.,	46 35
Damages to persons and property,	483 60
Total expenditures,	<hr/> \$106,016 98

APPROPRIATION AND EARNINGS.

Highways, Sidewalks and Paving. Appropriation,	\$80,000 00
--	-------------

STREET CONSTRUCTION.

Sundry streets,	\$265 27
Green lane,	462 49
Hollywood street,	150 15
Holden road,	452 65
Hermon street and bridge,	1,860 90
Jo Bill road,	2,150 57
Leicester street,	469 76
Maywood street,	574 13
Norwood street,	390 19
Silver street,	51 22
Southbridge street,	50 00
Union street bridge,	9 65
Abbott street,	162 15
King street,	133 70
Bigelow street,	154 85
Lodi street,	464 73
Norfolk street,	435 80
Franklin street bridge,	4,982 28
Total for street construction,	<hr/> \$12,720 49

FOR LABOR AND MATERIAL FURNISHED.

City Hall,	\$73 99
School Department,	315 69
Police,	8 64
Water,	12 20
City Hospital addition,	500 80
Hope Cemetery Commission,	226 27
Sundry persons,	5,183 71

\$6,321 30

SIDEWALK ASSESSMENTS.

There have been laid 153 brick and concrete walks and drive-ways for private parties on the following named streets:—

Assonet Street,	760 17
Belmont street,	365 23
Bellevue street,	543 08
Bloomington street,	1,112 93
Cedar street (two orders),	605 01
East Central street,	434 30
Hawley street,	491 16
Hanover street,	357 61
Jaques avenue,	329 85
Kendall street,	46 43
Lincoln street,	798 60
Main street,	72 85
Norwood street,	140 51
Pleasant street,	989 03
Prescott street,	769 12
Park and Green streets,	149 60
Penn avenue,	651 34
South Russell street,	291 29
Silver street,	374 67
Woodland street,	602 79
Walnut street,	37 05

Total for sidewalk assessments, \$9,922 62

Total appropriation and earnings, \$108,964 41

COLLECTIONS 1887.

Sidewalk assessments,	\$8,630 96
Street construction,	12,720 49
Sundry bills,	5,447 94

\$26,799 39

SCHEDULE

Of real and personal property in charge of the Highway Department Nov. 30, 1887:—

REAL ESTATE.

50,331 feet of land on Salem street,	\$16,609 25
Stables, sheds, and stone crushing building,	10,050 00
Land and gravel pit,	335 00

PERSONAL PROPERTY.

Stone crusher, engine, boiler and scales,	\$2,520 00
Tools,	2,161 45
Rolling stock,	2,295 00
Live stock,	5,925 00
Harnesses, blankets, &c.,	1,016 00
Hay and grain,	1,609 75
Bricks, stone, sand, &c.,	1,985 50
Lumber,	746 50
Manure,	200 00

Total for real and personal property,	\$45,453 45
---------------------------------------	-------------

Respectfully submitted,

L. B. STONE,

Commissioner of Highways.

WORCESTER, January 2, 1888.

ANNUAL REPORT

OF THE BOARD OF

OVERSEERS OF THE POOR.

Gentlemen of the City Council :

In compliance with the City Ordinance the Board of Overseers of the Poor present their annual report.

“The duties and responsibilities of Overseers of the Poor are sometimes simple, often complicated, but always imperative. One applicant may be reasonable in requests for aid, while another will urge his demands regardless of reason or justice.

In some cases, after much perplexity, little satisfaction is gained in either giving or receiving; our aim in all cases is to give reasonable and needful aid without encouraging a spirit of pauperism. The necessities of the unfortunate and needy or the criticisms of generous minded persons in their behalf, cannot be fully met under the present statutes, governing the actions of the Overseers of the Poor.”

CITY RELIEF DEPARTMENT.

At the commencement of the year, after mature deliberation on the part of this Board, an appropriation for the city relief was asked for, which was thought to be necessary, and as small as it would be safe to last through the year and satisfy the urgent calls of liberal minded citizens.

But other counsels prevailed and the sum was reduced so low as to cause some distrust of our ability to make it suffice, but a determination was made that under no circumstances would we

exceed the appropriation, consequently the most rigid economy has been the rule, in some cases causing sharp criticism from those unacquainted with the cause. The result is shown in our footings. The same rule was adopted in our disbursements on account of those persons settled elsewhere and on the State, and our unceasing endeavors to recover therefrom the amount expended on their account has been successful to a large extent as is shown by the sum of unexpended balance.

The tables annexed will show the amount, kind and detail of the work accomplished during the year and are recommended to your careful consideration.

The total number of families having applied for and received aid during the year is seven hundred and twelve, comprising ten hundred and sixty-two males and ten hundred and thirty-nine females, or twenty-one hundred and one persons.

Of the above, five hundred and nineteen families, consisting of seven hundred and forty-five males and seven hundred and sixty-one females, or fifteen hundred and six persons, have legal pauper settlements in this city or elsewhere, and one hundred and ninety-three families, consisting of three hundred and seventeen males and two hundred and seventy-eight females, or five hundred and ninety-five, were State paupers, or had no known place of settlement.

The whole number having a legal pauper settlement who have received full support for the whole or a part of the year is two hundred and fifteen, or one hundred and nineteen males and ninety-six females.

The number provided for at the several insane hospitals during the year has been twenty, ten males and ten females.

Sixty-two State paupers have been sent to the State Almshouse at Tewksbury, after having been aided here to a greater or less extent.

Eighty-seven families, consisting of one hundred and fifty-two males and one hundred and seventy-three females, or three hundred and twenty-five persons, having a legal settlement in other cities and towns, but living here, have been aided here during the year in accordance with the wishes or instructions of the Overseers of the Poor of the several places where they have their settlement.

In providing for the cases above mentioned by the Department for temporary aid, at the office of the Clerk of the Board, there have been drawn eighteen hundred and sixty-six orders for the following named articles :—

For Fuel,	\$1,314 25
Groceries,	2,070 54
Clothing,	20 00
Medicines, vaccine virus, attendance and nursing,	223 35
Burial expenses,	609 50
Transportation of paupers,	293 25
Insane Hospital bills,	3,479 88
State Reformatory Institution bills,	297 05
Cash allowances,	64 04
Aid to Worcester poor in other towns,	962 12
Stationery, postage and printing,	192 34
Miscellaneous expenses,	445 63

Total,	\$9,971 95

Amount given out in Dole at the Clerk's office during the year :—

	No. of orders drawn.	Amount drawn by persons having a Settlement in this City.	Amount drawn by persons having a Settlement in other Towns.	Amount drawn by persons having no known Settlement anywhere.	TOTAL.
December, 1886,	223	\$ 196 55	\$ 100 60	\$ 107 61	\$ 404 76
January, 1887,	304	347 65	156 65	161 40	665 70
February,	282	324 15	130 45	159 75	614 35
March,	269	320 75	117 25	116 00	554 00
April,	144	211 55	47 05	39 29	297 89
May,	56	93 16	26 30	30 05	149 51
June,	70	92 35	45 95	51 40	189 70
July,	62	75 95	33 40	97 30	206 65
August,	70	104 45	35 70	74 70	214 85
September,	72	97 20	32 85	78 10	208 15
October,	99	143 65	42 52	67 35	253 52
November,	215	457 70	104 65	97 19	659 54
	1,866	\$2,465 11	\$873 37	\$1,080 14	\$4,418 62

CITY-RELIEF DEPARTMENT.

	No. of orders drawn.	Cost of Fuel.	Cost of Groceries.	Cost of Clothing.	Medicine, vaccine virus, attendance and nursing.	Cost of Burials.	Transportation of Paupers.	Insane Hospital Bills.	State Reformatory Institution Bills.	Paid in Cash Allowances.	Paid other Towns for Aid to Worcester Paupers.	Books, Stationery, Postage and Printing.	Miscellaneous Expenses.	TOTAL.
December, '86,	223	\$185 10	\$225 00		\$20 97	\$30 00	\$15 70	\$1,103 98	\$74 98	\$8 96	\$79 01	\$16 10	\$70 87	\$1,746 73
January, 1887,	304	\$239 30	\$283 00		18 40	65 00	20 20	10 85	74 98	13 00	58 27	10 50	51 62	841 08
February, " "	282	\$225 20	\$298 54		32 33	79 50	11 70	710 28		3 55	189 02	18 00	44 63	911 92
March, " "	269	\$181 50	\$272 00		15 21	60 00	6 00	60 54	64 58	9 10	24 00	52 66	55 13	1,380 33
April, " "	144	\$74 50	\$169 00		14 36	45 00	6 60			12 03	63 00	17 75	38 50	562 98
May, " "	56	\$6 30	\$76 00		9 44	45 00	15 50			2 00	37 00	6 25	14 00	221 52
June, " "	70	\$14 10	\$100 00	\$12 50	15 86	40 00	14 50	658 33	44 79	50	81 60	5 00	29 74	973 63
July, " "	62	\$1 00	\$97 00		8 12	60 00	37 27	57 00		8 00	210 84	7 25	15 75	539 52
August, " "	70	\$6 55	\$75 00		17 58	70 00	43 79			2 20	44 00	5 00	18 38	288 30
September, " "	72	\$27 80	\$122 00		36 53	20 00	32 65	712 22		2 20	43 03	11 00	21 00	1,028 43
October, " "	99	\$75 30	\$104 00	7 50	18 79	35 00	42 12	166 68	112 70	2 20	97 25	24 83	38 50	724 87
November, " "	215	\$277 60	\$249 00		15 76	60 00	47 22			2 50	35 10	18 00	47 51	752 69
	1,866	\$1,314 25	\$2,070 54	\$20 00	\$233 35	\$609 50	\$203 25	\$3,479 88	\$297 05	\$64 04	\$962 12	\$192 34	\$445 63	\$9,971 95

The salary of the City Physician and that of the Clerk of the Board are also charged to the expense of the City Relief Department, and have been as follows :—

City Physician,	\$1,200 00
Clerk of the Board,	1,200 00
Disbursements,	9,971 95
	<hr/>
Total Expenditures,	\$12,371 95

The resources have been as follows :—

Appropriation by City Council,	\$12,000 00
Received in reimbursements from State and other cities and towns, and individuals,	4,427 20
	<hr/>
Total Receipts,	\$16,427 20
Total Expenditures,	12,371 95
	<hr/>
Unexpended balance, Nov. 30th, 1887,	\$4,055 25

List of Insane persons who have a legal pauper settlement in this city, and who have received full support at the Insane Hospitals during the whole or part of the year.

REGISTERED NO.	NAME.	AGE.	BIRTHPLACE.	PLACE OF SUPPORT.
3293	Selena Barlow,	50	Vermont,	Wor. Lunatic Hospital.
916	Timothy J. Buckley,	24	Upton,	" " "
3382	Ellen Britt,	45	Ireland,	" " "
1671	Johanna Buckley,	—	Ireland,	" " "
2208	James T. Courtney,	51	Ireland,	Asylum for Ch. Insane.
3272	Dennis Doyle,	54	Ireland,	Wor. Lunatic Hospital.
3264	Frank Dunn,	25	Worcester,	" " "
3294	Ellen Dolan,	49	Ireland,	" " "
132	Mary Foley,	30	Worcester,	" " "
242	Albert S. Garfield,	—	Princeton,	" " "
3271	Rosilda Herbert,	40	Canada,	" " "
40-87	Rose Hennessy ^{alias} Hinds,	20	Worcester,	" " "
3404	Leslie L. Johnson,	35	Grafton,	" " "
2054	Frank McGarrell,	43	Ireland,	" " "
1198	Bernard B. McDermott,	52	Ireland,	" " "
1695	Myron W. Mason,	24	Worcester,	" " "
2999	James Pryor,	29	Boston,	" " "
3282	Catharine Powers,	—	Ireland,	" " "
202	John Sweeney,	40	Ireland,	" " "
3441	Rose Smith,	34	Ireland,	" " "

Boys sentenced to and supported at the State Reform School at Westboro', and having a legal pauper settlement in Worcester.

Registered Number.	NAME.	AGE.	BIRTHPLACE.
3406	Arthur Boyle	14	Worcester.
3483	Patrick Hennessey	15	Boston.
2487	Daniel Kane	17	Worcester.
3106	George Moulitis	—	Canada.
3223	John Maroney	15	Worcester.
2109	Patrick Thompson	14	Worcester.
2416	Austin P. Towne	18	Wales.
2644	James Troy, Jr.	15	Worcester.
85-'83	Albert Vallie	13	Worcester.

Children sentenced to and supported at the State Primary School at Monson, and having a legal pauper settlement in Worcester.

Registered Number.	NAME.	AGE.	BIRTHPLACE.
695	Theodore Barber	17	Worcester.
3271	Joseph Duprey	13	Worcester.

Persons supported at the State Almshouse at Tewksbury, and having a legal pauper settlement in Worcester.

Registered Number.	NAME.	AGE.	BIRTHPLACE.
1287	James E. Belden	73	Northfield.

Persons sentenced to and supported at Bridgewater Workhouse, and having a legal pauper settlement in Worcester.

Registered Number.	NAME.	AGE.	BIRTHPLACE.
2554	Mary Little	22	Canada.

CITY ALMSHOUSE DEPARTMENT.

Although within comparatively a few years our Almshouse has been twice enlarged, we have, as you have been for two years past notified, arrived at the time when it must be done again. The call is now imperative, as the ward for female insane paupers has long since been full, and patients are awaiting the removal of others before they can be admitted, while the male ward has never been sufficient, and you are notified by the City Physician, that such a condition of affairs is subject to complaint by the constituted authorities. We have repeatedly urged this subject for your consideration, and having exhausted all arguments in that direction can only refer you now to what has already been many times said.

The general condition of the farm was never so good as at this time, and as long as the present conditions remain, it will continue to improve, as with the unlimited amount of dressing furnished from the Scavenger Department it cannot well be otherwise.

This can be seen at a glance when it is stated that the hay crop for years previous to the establishment of the piggery, was about twenty-five tons per annum, while for the past year it was over two hundred tons, and the root products have improved in about the same proportion; and although it has heretofore been generally understood that ours was in more than one sense "a poor farm," we shall soon be able to show a favorable comparison with more productive locations.

Within a few years, our acreage has been somewhat reduced by the sale of wood-land which it was not considered necessary to retain, as coal is now used at the Almshouse almost entirely.

The barns and out-buildings are all that could reasonably be desired, and will probably continue to be so until the farm shall have become so productive as to call for increased storage-room. Judging, however, by the consumption by the farm stock, as at present indicated, that period will not be in the immediate future.

Your attention is called to the fencing, which during the past year has been materially improved, on the Lincoln-street side of the farm. An ornamental wire fence now extends along

the entire front from the cemetery to the main entrance. It has been set back further into the lot, thereby widening and straightening the road and much improving the general appearance, while the slat fence in front of the main building, which has done service for upwards of thirty years, has been rebuilt, a new set of posts and rails added, and the whole structure has received a durable coat of paint.

All the old walls and small stones have been taken from that location, across the road, and worked into a substantial double wall, thus utilizing the waste material on one side of the road for the benefit of the other, without much cartage, and also utilizing to a large extent the labor of the male inmates, which otherwise would not have been very productive.

Our last two annual reports contained the following recommendations, but as no action has been taken in reference to them and we think the case urgent, we repeat them emphatically.

We call your attention to the oven in the basement of the main building, built at the time the house was erected, and calculated for a family not half as large as at present; and, as it has to be run continually, and is not half large enough, it is frequently over-heated and dangerous. We recommend that a new and large one be built the present year, otherwise it will be impossible to supply the large amount of bread required by the inmates without constant danger from fire.

We would also call your attention to the communication of this Board, a year since, in reference to the extension of the city water pipes, from their present terminus at Adams square to the City Almshouse, as, although there is a limited water supply there now, it has on more than one occasion fallen so low as to be only sufficient for two or three days' supply, and in case of fire would have been an entire failure, and as there are \$25,000 worth of wooden buildings and \$45,000 worth of brick structures, it would seem prudent, at least, that some sure means of preventing an entire conflagration of them, in case of emergency, should be provided.

On Thursday, October 27, 1887, a special meeting of the Board of Overseers of the Poor with the City Council and

heads of departments and invited guests, was held at the Almshouse for the usual annual inspection.

The buildings and farm were examined, and elicited the commendation of all present for their neat and cleanly appearance and evidence of careful management.

A collation was provided for the company, after partaking of which remarks were made by gentlemen from other cities, congratulating this city on having an establishment inferior to none, and a credit to those to whose charge it was intrusted.

Remarks were also made by members of the Board stating the needs of the Department of enlarging the building and the water supply, which were also favorably spoken of by the members of the Council present, who expressed their satisfaction with the condition in which the whole establishment was found; and a vote of thanks was passed to the superintendent and matron for their attention on this, as also on former occasions.

On Thursday, November 17th, 1887, the Board of Assessors, together with the Board of Overseers of the Poor, met at the City Farm and Almshouse for the purpose of making the annual appraisal, and present the following as the result:—

95 acres of cleared land, at \$80,	\$7,600 00
75 " " wood land, at \$40,	3,000 00
25 " " " Bond meadow," at \$20,	500 00
8 " " " Curtis lot," at \$300,	2,400 00
	<hr/>
Total value of land,	\$13,500 00
Almshouse building and additions,	\$40,000 00
Small brick house and corn-barn,	1,000 00
Hospital building,	500 00
Farm stock barn and connections,	7,000 00
Horse stables and sheds,	10,000 00
Swine house and pens,	10,000 00
Ice and pump houses, and water-works,	3,000 00
	<hr/>
Total value of buildings,	\$71,500 00
" " " land,	13,500 00
	<hr/>
Total value of real-estate,	\$85,000 00

Farm stock, tools, vehicles, &c.,	\$12,690 86
Furniture and household effects,	18,351 03
Scavenger Department,	10,595 50
Telephone line,	450 00
<hr/>	
Total valuation of 1887,	\$127,087 39
“ “ “ 1886,	121,333 95
<hr/>	
Difference in favor of 1887,	\$5,753 44

With a single exception, the valuation of the several items of the real estate is the same as last year. The subject of changing the valuation of the farm lands was considerably discussed; as it was shown that since the present valuation was fixed upon (which was previous to the establishment of the piggery), a large part of the land had been made to produce more than four-fold what it did before; but it appearing also from the discussion that the result had been largely attained by more skilful management and higher dressing, and that other lands in the vicinity had not been advanced in the valuation; it was not, all things considered, thought wise to make any change.

The question of changing the valuation on the buildings was also discussed, but as they have all been repainted and put in first-class condition, both inside and out, and several small improvements made, it was decided that would offset the deterioration in the case, and so, it was adjudged that with the exception of the horse-stable, their valuation should remain as heretofore. The stable referred to, having been enlarged to nearly double its former capacity, at an expense of about \$3,000, it was decided to add that sum to its former valuation of \$7,000, making the change to \$10,000 as shown in the list.

A collation was provided for the Board on the occasion, by the matron, in her usual attractive style, and which after the exercises of a busy day, was fully appreciated by those present.

There have been supported at the Almshouse, for the whole or a part of the year, two hundred and six persons, of whom, one hundred and thirty-three remain as inmates at the present time.

Particulars concerning them all will be found in the accompanying lists.

List of persons who have been fully supported at the Alms-house during the year 1887.

Registered Number.	NAME.	AGE.	BIRTHPLACE.	PERIOD OF SUPPORT.		Remarks.
				BEGAN.	ENDED.	
3	David Kimball,	54	Worcester.	Jan. 5, '57.	Continues.	died
4	Allen Cummings,	50	Ware.	April 2, '57.	"	
87	Thomas Crowley,	68	Ireland.	July 26, '68.	Feb. 12, '87.	
245	John Luby,	60	Ireland.	Feb. 6, '73.	Sept. 1, '87.	
294	Jerry O'Leary,	60	Ireland.	Aug. 1, '73.	Continues.	.
443	Maria McCarty,	—	Unknown.	Feb. 29, '76.	"	
519	Roxanna Lennon,	56	Ireland.	Sept. 17, '77.	"	
533	William Gardner,	80	Connecticut.	Dec. 11, '74.	"	
581	Louisa Hood,	—	Unknown.	July 1, '78.	"	died
604	Peter McGirl,	84	Ireland.	Nov. 25, '78.	"	
612	Joseph Lawler,	25	Worcester.	Dec. 2, '78.	"	
613	George Gleason,	69	Worcester.	Jan. 8, '79.	"	
622	Geo. W. Armsperger,	48	Germany.	May 25, '79.	"	died
633	Ellen Coffee,	83	Ireland.	Sept. 8, '79.	Nov. 23, '87.	
638	Barbara Kohl,	44	Germany.	Oct. 24, '79.	Continues.	
663	Lizzie Shea,	41	Ireland.	April 6, '80.	"	
804	Catherine Battles,	58	Ireland.	Jan. 12, '82.	"	.
818	Thos. B. Smith,	62	Oxford.	Mar. 31, '82.	"	
828	Margaret Sullivan,	—	Ireland.	May 8, '82.	"	
838	William Noonan,	51	Ireland.	July 5, '82.	"	
864	Morris Quirk,	60	Ireland.	Nov. 25, '82.	"	.
880	Thomas Riley,	45	England.	Jan. 5, '83.	"	
885	Joshua Hill,	88	Spencer.	Jan. 27, '83.	"	
888	Sarah A. Ward,	69	Leicester.	Mar. 1, '83.	"	
894	Enoch Stalladt,	71	New Hampshire.	April 12, '83.	"	.
911	Margaret Curry,	69	Ireland.	May 18, '83.	"	
919	Sarah Walker,	40	Unknown.	June 16, '83.	"	
921	Helen Boulger,	23	England.	June 18, '83.	"	
922	Fanny C. Perry,	36	Unknown.	June 18, '83.	"	.
924	Bridget Finnegan,	29	Ireland.	June 21, '83.	"	
925	Johanna Kennedy,	22	Ireland.	June 21, '83.	"	
926	Johanna O'Brien,	64	Ireland.	June 21, '83.	"	
934	Cath'ine Sullivan, 3d,	43	Ireland.	June 21, '83.	"	.
935	Johanna Sullivan,	—	Unknown.	June 21, '83.	Aug. 21, '87.	
949	George H. Gates,	36	Worcester.	Aug. 13, '83	Continues.	
950	Michael Goulding,	37	Worcester.	Aug. 13, '83.	"	
951	James P. Hogan,	37	W. Boylston.	Aug. 13, '83.	"	.
952	Thomas Higgins,	31	Ireland.	Aug. 13, '83.	"	
953	A. V. Stoneberger,	42	Ohio.	Aug. 13, '83.	"	
956	Patrick Grace,	53	Ireland.	Aug. 14, '83.	"	
957	John Jackson, Jr.	37	Salem.	Aug. 14, '83.	"	.
964	James O'Brien,	64	Ireland.	Sept. 25, '83.	"	
967	Mary Goodnow,	—	Canada.	Oct. 22, '83.	"	
969	Margaret Riley,	83	Ireland.	Nov. 1, '83.	"	
985	James Curtis,	55	Ireland.	Dec. 22, '83.	July 24, '87.	died
990	Margaret Mullins,	67	Ireland.	Jan. 5, '84.	Continues.	.
996	Margaret Lane,	54	Ireland.	Nov. 20, '83.	"	
1010	Frank Little,	72	Canada.	May 5, '84.	"	

Registered Number.	NAME.	AGE.	BIRTHPLACE.	PERIOD OF SUPPORT.		Remarks.
				BEGAN.	ENDED.	
1028	Hugh Matthews,	58	Ireland.	June 17, '84.	Continues.	
1038	Mary McGrath,	51	Ireland.	July 17, '84.	"	
1039	Bridget Foley,	57	Ireland.	July 17, '84.	"	
1041	Johanna Donahue,	55	Ireland.	July 17, '84.	"	
1043	John Laverty, Jr.,	16	Worcester.	July 21, '84.	"	
1046	John Kelly,	—	Ireland.	July 25, '84.	"	
1049	Catherine Kildea,	34	Ireland.	Aug. 1, '84.	"	
1050	Alice Kildea,	3	Worcester.	Aug. 1, '84.	"	
1052	James McCarty, Sr.,	66	Ireland.	June 26, '84.	"	
1076	Dolly Forbes,	—	Hubbardston.	Oct. 18, '84.	"	
1077	Mary J. Forbes,	53	Unknown.	Oct. 18, '84.	"	
1078	Thomas J. Drooney,	31	Grafton.	Nov. 13, '84.	"	
1087	Thomas Healey,	—	Ireland.	Dec. 24, '84.	April 21, '87.	
1093	Mary Ann Carroll,	22	Worcester.	Jan. 26, '85.	Continues.	
1094	John J. Doyle,	—	Ireland.	Jan. 30, '85.	Jan. 14, '87.	died
1116	Mary Kane,	55	Ireland.	April 21, '85.	Continues.	
1126	Kate Dooley,	39	Ireland.	June 6, '85.	"	
1128	Ellen Leahey,	—	Ireland.	June 8, '85.	"	
1129	Patrick Finneran,	61	Ireland.	June 8, '85.	"	
1139	James Burns, Sr.,	71	Ireland.	July 1, '86.	April 30, '87.	
1154	Elizabeth Delaney,	62	Ireland.	Aug. 31, '85.	Continues.	
1155	Mary Herron,	40	Ireland.	Aug. 31, '85.	"	
1156	Margaret Walcott,	47	Ireland.	Aug. 31, '85.	"	
1159	Peter Donnelly,	43	Ireland.	Aug. 31, '85.	"	
1168	Mary Johnson,	57	Ireland.	Sept. 11, '85.	"	
1177	William Allen,	79	Attleboro'.	Sept. 22, '85.	"	
1180	James Pratt,	66	Danvers.	Oct. 8, '85.	"	
1186	Ellen Small,	59	Ireland.	Nov. 4, '85.	"	
1202	Michael Toomey,	—	Ireland.	Jan. 9, '86.	"	
1204	Peter Welch,	44	Ireland.	Jan. 21, '86.	"	
1205	Wm. B. Jackson,	44	Maine.	Jan. 21, '86.	"	
1206	Michael Ward,	26	Baltimore.	Jan. 21, '86.	"	
1207	Geo. Lemoine,	47	Vermont.	Jan. 21, '86.	Continues.	
1208	Geo. Penston,	36	Ireland.	Jan. 21, '86.	"	
1210	Jenny M. Laying,	35	Worcester.	Jan. 21, '86.	"	
1339	John F. Cummings,	12	Worcester.	June 21, '87.	Aug. 3, '87.	
1379	John F. Cummings,	—	Worcester.	Oct. 1, '87.	Continues.	
1224	Daniel Bradley,	10	Worcester.	Mar. 18, '86.	June 2, '87.	
1225	Frank Bradley,	6	Worcester.	Mar. 18, '86.	Continues.	
1226	John Bradley,	4	Worcester.	Mar. 18, '86.	"	
1231	Elizabeth Hall,	69	Maine.	April 28, '86.	"	
1240	Maggie Sullivan,	16	Worcester.	June 16, '86.	Jan. 1, '87.	
1241	Carrie Banning,	52	Connecticut.	June 26, '86.	Continues.	
1242	Christine Wermer,	40	Sweden.	July 6, '86.	"	
1247	John Powers,	41	Ireland.	July 30, '86.	"	
1258	Anne Henry,	66	Ireland.	Sept. 9, '86.	April 26, '87.	died
1259	Anne Snyder,	76	Germany.	Sept. 11, '86.	Continues.	
1260	Mary Kelley,	83	Ireland.	Sept. 13, '86.	"	
1261	Levi Grover,	71	Massachusetts.	Sept. 14, '86.	"	
1262	Lena O. Daniels,	25	Virginia.	Sept. 29, '86.	April 7, '87.	
1264	Leonard D. Cross,	46	Vermont.	Dec. 11, '86.	Dec. 11, '86.	
1265	Mary Powers,	46	Ireland.	Oct. 12, '86.	Continues.	
1266	Jeremiah Buckley,	—	Ireland.	Oct. 26, '86.	"	

Registered Number.	NAME.	AGE.	BIRTHPLACE.	PERIOD OF SUPPORT.		Remarks.
				BEGAN.	ENDED.	
1267	Albert Webber,	51	Worcester.	Oct. 28, '86.	April 18, '87.	died
1268	William J. Fallon,	11	Cambridgeport.	Nov. 1, '86.	Feb. 1, '87.	
1317	" "		"	April 23, '87.	Aug. 3, '87.	
1359	" "		"	Sept. 15, '87.	Oct. 30, '87.	
1269	Margaret Weeks,	4	Worcester.	Nov. 2, '86.	Continues.	died
1270	Margaret Weeks, 2d,	1	Worcester.	Nov. 2, '86.	"	
1272	Kate Lawrence,	14	Worcester.	Nov. 12, '86.	Dec. 9, '86.	
1273	Thomas Vaill,	56	Ireland.	Nov. 12, '86.	Continues.	
1274	George Coxon,	31	Unknown.	Nov. 15, '86.	Dec. 31, '86.	
1275	William Carroll,	7	Worcester.	Nov. 19, '86.	Dec. 1, '86.	
1276	Azubah Bartlett,	—	Unknown.	Nov. 25, '86.	Continues.	
1277	Dennis Healey,	51	Ireland.	Nov. 26, '86.	Dec. 24, '86.	
1286	" "		"	Dec. 30, '86.	Dec. 31, '86.	
1278	George Sullivan,	10	Worcester.	Nov. 29, '86.	July 11, '87.	
1279	Agnes Sullivan,	10	Worcester.	Nov. 29, '86.	Nov. 1, '87.	
1386	" "		"	Nov. 28, '87.	Continues.	
1280	Arthur Starrett,	1	Worcester.	Nov. 29, '86.	April 7, '87.	
1281	Thomas Riley, 2d,	66	Worcester.	Dec. 10, '86.	April 6, '87.	
1282	George Dorman,	49	Ireland.	Dec. 11, '86.	April 22, '87.	
1283	Martin Spellman,	47	Ireland.	Dec. 11, '86.	May 9, '87.	
1284	John Buckley,	15	Worcester.	Dec. 13, '86.	June 25, '87.	
1285	Minnie Sullivan,	12	Worcester.	Dec. 18, '86.	April 16, '87.	
1355	" "		"	Aug. 13, '87.	Sept. 15, '87.	
1287	Kate McCarty,	32	Ireland.	Dec. 31, '86.	May 10, '87.	
1288	Chas. McCarty,	8	Worcester.	Dec. 31, '86.	May 10, '87.	
1360	" "		"	Sept. 15, '87.	Continues.	
1289	James McCarty,	6	Worcester.	Dec. 31, '86.	May 10, '87.	
1361	" "		"	Sept. 15, '87.	Continues.	
1290	Thomas McCarty,	3	Worcester.	Dec. 31, '86.	May 10, '87.	
1362	" "		"	Sept. 15, '87.	Continues.	
1291	Edward Johnson,	4	Unknown.	Sept. 30, '86.	Mar. 14, '87.	died
1292	Grace Johnson,	8	Unknown.	Sept. 30, '86.	Mar. 14, '87.	
1293	Belle Boyle,	66	Ireland.	Jan. 3, '87.	April 21, '87.	
1294	Mary A. Leahy,	29	Worcester.	Jan. 18, '87.	May 25, '87.	
1295	Kate Leahy,	5	Worcester.	Jan. 18, '87.	May 25, '87.	died
1296	Ellen Leahy,	3	Worcester.	Jan. 18, '87.	May 25, '87.	
1297	James Pryor,	28	Boston.	Jan. 20, '87.	Continues.	
1298	Frank Dunn,	25	Worcester.	Jan. 20, '87.	"	
1299	Dennis Doyle,	53	Ireland.	Jan. 20, '87.	Mar. 26, '87.	
1300	Timo. J. Buckley,	24	Upton.	Jan. 20, '87.	Continues.	
1301	Rosilda Hebert,	35	Canada.	Jan. 20, '87.	Mar. 3, '87.	
1302	Catharine Powers,	—	Ireland.	Jan. 20, '87.	Oct. 26, '87.	
1304	Ellen Dolan,	48	Ireland.	Jan. 20, '87.	Feb. 15, '87.	
1345	" "		"	July 8, '87.	Continues.	
1303	Lena Barlow,	40	Vermont.	Jan. 20, '87.	"	
1305	Fred Liberty,	7	Lowell.	Jan. 26, '87.	Feb. 15, '87.	
1306	Mary McGrath,	4	Ireland.	Jan. 27, '87.	Mar. 4, '87.	
1307	Timo. Sidley.	40	Ireland.	Feb. 5, '87.	April 11, '87.	
1308	John Holt,	57	England.	Feb. 26, '87.	May 15, '87.	
1337	" "		"	June 20, '87.	Continues.	
1309	Henry Holden,	60	Vermont.	Mar. 2, '87.	"	
1310	Caroline Holden,	52	Shrewsbury.	Mar. 2, '87.	"	
1311	Mary Donovan,	34	Ireland.	Mar. 22, '87.	June 22, '87.	

Registered Number.	NAME.	AGE.	BIRTHPLACE.	PERIOD OF SUPPORT.		Remarks.
				BEGAN.	ENDED.	
1312	Annie Donovan,	Inf	Worcester.	Mar. 22, '87.	July 6, '87.	
1313	Mary Foley,	29	Worcester.	Feb. 1, '87.	Continues.	
1314	Bridget Quinn,	50	Ireland.	April 13, '87.	"	
1315	James Quinn,	10	Worcester.	April 13, '87.	April 14, '87.	
1316	Annie Quinn,	8	Worcester.	April 13, '87.	April 14, '87.	
1318	Nora Minahan,	17	Worcester.	April 27, '87.	Oct. 11, '87.	
1319	James Burns, Sr.,	70	Ireland.	April 27, '87.	May 1, '87.	
1320	Willie Lewis,	3	Unknown,	April 30, '87.	Continues.	
1321	Mary Sullivan,	34	Ireland.	May 11, '87.	Sept. 9, '87.	
1322	Mary Sullivan, 2d,	9	Worcester.	May 11, '87.	June 27, '87.	
1323	Jeremiah Sullivan,	6	Worcester.	May 11, '87.	Sept. 9, '87.	
1324	John Sullivan,	4	Miller's Falls.	May 11, '87.	Sept. 9, '87.	
1325	Lulu Sullivan,	2	Miller's Falls.	May 11, '87.	Sept. 9, '87.	
1326	Delia Sullivan,	3m	Tewksbury.	May 11, '87.	Sept. 9, '87.	
1327	Mary Wallace,	70	Ireland.	May 12, '87.	July 1, '87.	
1328	Maria Thompson,	60	Ireland.	May 16, '87.	Aug. 1, '87.	died
1329	Mary Little,	22	Quebec.	May 19, '87.	Continues.	
1330	Ellen Britt,	45	Ireland.	May 23, '87.	July 9, '87.	
1331	Harris N. Keables,	—	Ireland.	May 28, '87.	Aug. 3, '87.	
1332	Joseph Bracken,	26	Ireland.	June 8, '87.	July 11, '87.	
1333	John F. Brennan.	48	Ireland.	June 14, '87.	Aug. 20, '87.	
1334	Annie Smith,	35	Ireland.	June 18, '87.	Aug. 12, '87.	
1335	Henry Smith,	4	Worcester.	June 18, '87.	Aug. 12, '87.	
1336	James Smith,	2	Worcester.	June 18, '87.	Aug. 12, '87.	
1338	Johanna Buckley,	—	Ireland.	June 20, '87.	June 24, '87.	
1340	John Finn,	47	Ireland.	July 1, '87.	Continues.	
1341	Julia Coffey,	28	Ireland.	July 2, '87.	Aug. 15, '87.	died
1342	Mary Coffey,	2½	Worcester.	July 2, '87.	July 6, '87.	
1343	John Coffey,	4m	Worcester.	July 2, '87.	July 6, '87.	
1352	" "	"	"	July 25, '87.	Aug. 1, '87.	died
1344	James J. Mulcahy,	38	Ireland.	July 7, '87.	July 16, '87.	
1346	Mary Toole,	38	Ireland.	July 9, '87.	Continues.	
1347	Minnie Sargent,	8	Worcester.	July 13, '87.	"	
1348	Samuel Sargent,	6	Worcester.	July 13, '87.	"	
1349	Charles Sargent,	4	Worcester.	July 13, '87.	"	
1350	Ida Sargent,	1	Worcester.	July 13, '87.	"	
1351	Henry S. Walton,	50	Westboro'.	July 25, '87.	Aug. 1, '87.	
1371	" "	"	"	Oct. 11, '87.	Continues.	
1352	Harry Boyle,	7	Worcester.	July 28, '87.	Sept. 8, '87.	
1373	" "	"	"	Oct. 14, '87.	Continues.	
1354	Willie Boyle,	4	Worcester.	July 28, '87.	Sept. 8, '87.	
1374	" "	"	"	Oct. 14, '87.	Continues.	
1356	Rosilda Little,	Inf	Worcester.	Aug. 13, '87.	"	
1357	Shea baby,	6m	Worcester.	Aug. 16, '87.	Sept. 28, '87.	
1358	Daniel Kimball,	49	Worcester.	Aug. 30, '87.	Continues.	
1363	Vara J. Southwick,	32	Rhode Island.	Sept. 15, '87.	"	
1364	Samuel Bates,	50	Worcester.	Sept. 15, '87.	Oct. 11, '87.	
1365	Ellery F. Steere,	53	Rhode Island.	Sept. 18, '87.	Oct. 10, '87.	
1366	Catherine Sheean,	75	Ireland.	Sept. 19, '87.	Continues.	
1367	Rosilla Hinds,	20	Worcester.	Sept. 24, '87.	Oct. 11, '87.	
1368	Henry Brown,	70	Philadelphia.	Sept. 27, '87.	Nov. 9, '87.	
1369	Josephine Garfield,	21	Worcester.	Sept. 30, '87.	Continues.	
1370	Kate Lawrence,	14	Worcester.	Oct. 5, '87.	"	

Registered Number.	NAME.	AGE.	BIRTHPLACE.	PERIOD OF SUPPORT.		Remarks.
				BEGAN.	ENDED.	
1372	John Boyle,	13	Worcester.	Oct. 14, '87.	Continues.	
1375	Ambrose Brunelle,	57	Canada.	Oct. 20, '87.	"	
1376	Louis Santon,	19	Worcester.	Oct. 22, '87.	Nov. 1, '87.	
1377	Corn. Jas. O'Connor,	32	Worcester.	Oct. 24, '87.	Continues.	
1378	Dennis Toner,	68	Ireland.	Oct. 25, '87.	Nov. 9, '87.	
1380	James Burton,	32	Lee.	Nov. 4, '87.	Continues.	
1381	John Kennira,	70	Ireland.	Nov. 8, '87.	"	
1382	Peter Finnegan,	2	Worcester.	Nov. 9, '87.	"	
1383	Bridget Finnegan, jr.	5m	Worcester.	Nov. 9, '87.	"	
1384	Patrick Dyer,	72	Ireland.	Nov. 14, '87.	"	
1385	Mary Flagg,	72	Holden.	Nov. 22, '87.	"	
1387	James O'Neil,	41	Unknown.	Nov. 28, '87.	"	
1388	Owen Hagan,	60	Ireland.	Nov. 29, '87.	"	

CITY FARM AND ALMSHOUSE.

	Total Expenditures.	Total Receipts.	Net Expenses.	Erection and Equipment of New Buildings and Repairs.
December, 1887,	\$2,152 87	\$780 51	\$1,372 36	\$899 95
January, 1888,	2,468 59	602 15	1,866 44	86 06
February,	1,403 14	659 58	743 56	108 44
March,	1,531 11	582 43	948 68	102 61
April,	1,975 39	772 75	1,202 64	823 50
May,	1,255 94	695 28	560 66	200 65
June,	2,400 61	749 02	1,651 59	162 87
July,	2,373 29	749 09	1,624 20	91 75
August,	1,972 65	736 96	1,235 69	70 80
September,	2,594 95	718 85	1,876 10	416 29
October,	1,854 07	739 51	1,114 56	46 86
November,	1,922 44	815 91	1,106 53	130 94
	\$23,905 05	\$8,602 04	\$15,303 01	\$3,140 72

Expenditures for maintenance of Almshouse, \$23,905 05
 Erection and equipment of New Buildings and Repairs, 3,140 72

Total expenditures, \$27,045 77

The resources have been :—

Appropriation, \$18,000 00
 " 2,439 04
 Farm receipts, 8,602 04

Total resources, \$29,041 08

Total expenditures, 27,045 77

Unexpended balance, \$1,995 31

CITY SCAVENGER DEPARTMENT.

Of the needs of the Scavenger Department you are already informed, as it is a subject daily passing under the nostrils of nearly every citizen, and this Board, although charged with its management, are not alone responsible for its necessities.

An examination on your part will show that all that is appropriated for its maintenance is utilized to its utmost capacity and that nothing more can be done by this Board, unless we are furnished with further equipment. We therefore leave the matter in your hands, trusting that your wisdom may devise a way by which you will yourselves be satisfied, and the ire of our citizens appeased in their increasing demands on us for more efficient service.

The utilization of the offal after collection has long since passed beyond the line of experiment, and has repeatedly been demonstrated as a success.

This year has not differed materially from former ones. It is true we have lost many swine from cholera, but the price of pork has been reasonably good and the amount of dressing furnished for the land is no small item, and, all things considered we have probably done as well as in former years.

The whole subject is shown in detail in the tables annexed, and we respectfully request that you give it your attention.

SCAVENGER DEPARTMENT.

	Total Expenditures.	Total Receipts.	Net Expenses.
December, 1886	\$1,928 72	\$40 00	\$1,888 72
January, 1887	1,162 90	47 00	1,115 90
February	778 35	42 00	736 35
March	1,223 55	40 00	1,183 55
April	1,186 84	361 92	824 92
May	1,039 91	40 00	999 91
June	778 35	40 00	738 35
July	1,168 31	40 00	1,128 31
August	915 05	40 00	875 05
September	1,187 81	789 42	398 39
October	918 10	78 01	840 09
November	1,469 77	90 00	1,379 77
	\$13,757 66	\$1,648 35	\$12,109 31

The resources have been:—

Appropriations by City Council,	\$9,000 00
“	3,109 31
Receipts from Department,	1,648 35
<hr/>	
Total resources,	\$13,757 66
Total expenditures,	13,757 66

TRUANT-SCHOOL DEPARTMENT.

Appended is a list of the monthly expenditures for the maintenance of the school. For further statistics, as well as for all other information relative to its present condition, you are respectfully referred to the report of the Superintendent of Schools and the sub-committee of the board.

Monthly Account.	Cost of Teaching.	Cost of Board.	Cost of Clothing, etc.	Total Cost of Maintenance.
December, 1887,	\$ 25 00	\$ 224 14		\$ 249 14
January, 1888,	25 00	195 86		220 86
February,	25 00	125 14		150 14
March,	25 00	146 57		171 57
April,	25 00	178 29		203 29
May,	25 00	209 57		234 57
June,	25 00	228 86		253 86
July,	25 00	208 29		233 29
August,	25 00	191 14	\$ 4 00	220 14
September,	25 00	154 29	38 68	217 97
October,	25 00	180 86		205 86
November,	25 00	245 57	183 89	454 46
<hr/>				
	\$300 00	\$2,288 58	\$226 57	\$ 2,815 15

Cost of Teaching and Supervision,	\$ 300 00
Cost of Board,	2,288 58
Cost of Clothing, etc.,	226 57

Total Cost, \$2,815 15

Appropriation,	\$3,200 00
Expenditures,	2,815 15

Unexpended balance, \$384 85

Average cost per pupil, \$234 60

The report of the City Physician, containing an account of all matters connected with the Pauper Department which fall under his charge, will be found annexed.

All of which is respectfully submitted,

GEORGE W. GALE, *Clerk.*

SAMUEL WINSLOW, *Mayor.*

W. ANSEL WASHBURN, *City Marshal.*

ALBERT P. MARBLE, *Supt. of Schools.*

CHARLES B. PRATT,

JAMES B. McMAHON,

ALZIRUS BROWN,

DENIS C. LEONARD,

ORAN A. KELLEY,

OSCAR F. RAWSON,

Overseers of the Poor of the City of Worcester.

Worcester, November 30th, 1887.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor,

And Gentlemen of the City Council :—

GENTLEMEN:—The City Physician submits the following report for the year ending November 30, 1887.

OUT-DOOR POOR.

Number of orders for medical attendance,	165
Number of visits made,	416
Number of office visits,	252
	<hr/>
	668
Number of births,	7
Number of deaths,	16
Sick paupers moved to the City Hospital,	16
Sick paupers moved to the Almshouse,	5
Sick paupers moved to the State Almshouse,	3
Sick paupers moved to the Town Almshouses,	2

CITY ALMSHOUSE.

Number of visits made,	58
Cases of sickness treated,	144
Number of deaths,	12
Number of births,	1
Visits to the Police Station,	74
Examinations for Civil Service,	36
Examinations for State Aid,	20
Public vaccinations,	622
Number of pauper insane examined,	59
Committed to Insane Asylums,	46
Sent to the Almshouse,	2
Sentenced to the House of Correction,	3
Returned to their friends,	8

There has been no unusual sickness among the poor, during the past year, and no epidemic of contagious disease. The inmates of the Almshouse have also been exempt from most of the acute diseases, and the deaths that have occurred among the adults have been, with but one exception, from chronic disease.

The Overseers of the Poor will ask you for an appropriation to furnish additional accommodations for the insane at the City Farm during the coming year. The subject is not new, and the buildings have already been enlarged several times. The City will be obliged to support a portion of their insane paupers at the State Asylums, unless more room is provided for them at the Almshouse. The City Physician would also urge the imperative need of hospital accommodations at the Almshouse.

The ambulance has been refitted, and a covered sleigh equipped for winter work. The permanent police drivers, as a rule, answer ambulance calls, and the service is consequently much improved. This service would be still more efficient, should the police stables be built during the coming year.

Names of persons who have died at the City Almshouse during the year 1887:—

Thomas Crowley,	68 years,	Debility.
Ellen Coffee,	83 years,	Old age.
James Curtis,	55 years,	Pneumonia.
John J. Doyle,	60 years,	Paralysis.
Annie Henry,	66 years,	Bright's disease.
William Carroll,	7 years,	Meningitis.
Dennis Doyle,	53 years,	Insanity.
Rosilda Hebert,	35 years,	Insanity.
Maria Thompson,	60 years,	Consumption.
Julia Coffee,	28 years,	Consumption.
John Coffee,	4 months,	Meningitis.
Albert Webber,	51 years,	Consumption.

Births at Almshouse during the year:—

Rosilda Little, August 13, 1887.

Names of paupers who have died under the care of the City Physician during the year :—

<i>Name.</i>	<i>Cause of death.</i>	<i>Settlement.</i>
Ellen Doyle,	Heart disease.	Worcester.
Patrick Fitzgerald,	Consumption,	Worcester.
Ann Fergerson,	Not known,	Worcester.
John Snyder,	Consumption,	Worcester.
John Flynn,	Consumption,	Worcester.
Michael Fury,	Not known,	State.
Kate Flaherty,	Consumption,	State.
Delia Sawyer,	Consumption,	Worcester.
Martin McCarthy,	Consumption,	State.
Ellen Flynn,	Consumption,	State.
Mary Brennan,	Consumption,	State,
Henry McBoyle,	Consumption,	Worcester.
Josephine Norton,	Tubercular Meningitis,	Lenox.
Francis McKinery,	Disease of liver,	Worcester.
Thomas D. Gould,	Bright's disease,	Worcester.
John Cragan,	Consumption,	Hopkinton.

Respectfully submitted,

LEMUEL F. WOODWARD, M. D.,

City Physician.

REPORT

OF THE

FIRE DEPARTMENT FOR 1887.

OFFICE OF CHIEF ENGINEER OF FIRE DEPT.,
WORCESTER, January 11, 1888.

To His Honor the Mayor, and the Honorable City Council.

GENTLEMEN:—Pursuant to the provisions of the ordinance defining the duties of the Chief Engineer, I have the honor to present my fifteenth annual report.

It gives in brief the work of the Fire Department for the past year, its present condition and recommendations for maintaining its efficiency, which I trust will receive your early and favorable consideration. Incorporated in the report is a list of all the members of the Department, of the causes of all alarms and fires as far as known, with a schedule of the losses and insurance.

MANUAL FORCE.

The total number of men in the Department to-day is 152 ; no increase since the last report. The only death in the Department during the year was that of Sabin S. Flagg, of Alert Hose, No. 1. By many, his death was attributed to injuries received at a fire in Hall's Front-street block, but it was clearly established that it was due to apoplexy. He had been a member of the Department for over seven years, was a willing and efficient worker, a reliable man, and a good fireman—one of the kind who was not to be had for the asking at any time.

As a rule, the members of the Department have been faithful and efficient, willing to do the work assigned them, prompt in responding to calls for duty, day or night ; prompted to do their work by a determination that the Department shall retain its reputation for efficiency, and a desire to make it more efficient whenever and wherever possible.

APPARATUS.

All of the apparatus is in good working order, although some of it will need attention in the near future. During the year one new combination wagon has been built for Hose Co. No. 4. It carries 96 feet of ladders, and 700 feet of leading hose. Its weight is 2,450 pounds. Steamer No. 4 has been thoroughly repaired, and six new pony chemical extinguishers have been added. Four more chemical extinguishers should be purchased this year, and a new wagon should be built for use in place of the reel now used by Hose No. 2, Grafton street, as that has been in regular use for thirty years. It was built by Albert Tolman in 1857, and was rebuilt in 1876. If it is to be kept in service it will need extensive repairs, and, in my opinion, it is not economy to expend the money which would be necessary for these repairs, but that it should be used in part payment for a new wagon. I wish also to again remind you that another Hays Truck, with an 85-foot ladder, is necessary to reach the upper stories of some of the large blocks recently erected in the centre of the city, where telephone and electric light wires make the handling of the old-styled ladders very difficult.

HOUSES.

During the year but very little has been done to the houses aside from the ordinary repairs. The Prescott-street house has been painted both inside and out, and a new floor has been laid in the house of Steamer No. 2. I wish to call your attention to the quarters for the Company at Quinsigamond. The School Department intimated, but has not made a demand for the room we now occupy, which is not desirable for the accommodation of a Fire Company. New quarters must be secured, as it would be unwise

and improvident not to maintain a piece of apparatus and men to manage it in that section. The house occupied by Hose No. 5 is cramped and inconvenient, and at the earliest possible moment that Company should be given accommodations in keeping with its wants. If a new police building is erected on Waldo street this year, I would suggest the expediency of having it so planned that it will furnish accommodations for Hose Company No. 4, as that Company has waited long and patiently for such facilities as will put it on the same footing for efficiency as the remainder of the Department. The trouble with the house on Exchange street has been partially overcome by stationing a man at the house permanently.

It is impossible to enlarge either the house occupied by Hose Company No. 4, or Hose Company No. 5, and the only way to secure relief is by the erection of new buildings.

WATER.

The efficiency of the Water Service has been materially increased by the extension of the High Service through Main street from Front street to Lincoln square. Seven four-way hydrants have been connected with this service, which will make the future use of steamers unnecessary in the territory which these hydrants cover. I would recommend that in the very near future, branch pipes connected with the High Service, be laid in Highland, Harvard, Chestnut, Pleasant, Crown as far as Chatham, and Newbury streets, as the water pressure in Harvard and Chestnut streets is not sufficient for effective fire service if any amount of water is necessary. Among those responsible for the management of the Fire Department, the delay in answering the request for the extension of the Water Service in Foster street is a cause of great uneasiness. The risk of a serious fire in that vicinity, I believe to be greater than in any other section of the City. The buildings there are extensive and valuable. The business carried on in them is such that their contents are of a very combustible character, and there is no water main in Foster street, or hydrant service below Union street. Manchester street is so narrow that with a fire well under way in the large buildings be-

tween Foster and Manchester streets, or in the lumber sheds on the North side of Manchester street, that a supply of water would have to be drawn from Mechanic and Union streets. I have repeatedly called attention to this section, and feel it to be my duty to again urge the necessity of giving this recommendation early attention before there is a serious fire in the neighborhood to emphasize my recommendation of former years.

FIRE PATROL.

The relations between the Fire Patrol and this Department continue harmonious, as they always have been. The Patrol retains its excellent and well deserved reputation for efficiency and is everywhere recognized as an important branch of the service.

HORSES.

The horses have been exchanged the past year, which has put this branch of the service in good condition, but it is probable that other changes will be necessary in the year to come.

HOSE.

During the past year 2,000 feet of leading hose has been purchased and I recommend the purchase of 2,400 feet additional this year.

FIRES AND INSURANCE.

It is with no small degree of pride that I call attention to the record of the Department for the past year, although there have been more alarms and more fires than in any previous year, the losses are smaller than in any year for several years. The number of fires increases every year, a natural result in a growing city, and the fact that during the past year the losses have been comparatively small is a matter for general congratulation; our exemption from serious conflagration is largely attributable to the promptness of men in answering alarms, and their intelligent action when on duty, supplemented with the facilities for giving alarms which have been materially increased in the last few years.

The prompt use of the fire alarm is an important element in reducing the amount of loss, and the people have learned that it is better to call the Department out a dozen times for small fires than to allow one to gain such headway before giving an alarm that serious loss is inevitable.

The number of fires during the year was: box alarms 106, telephone 8, still 128, total 245. The loss was \$54,450.41, and the insurance \$856,785.00.

Considering the nature of the buildings in this city the record is one which is especially pleasing to those intrusted with the management of the Fire Department.

EXPENDITURES.

The cost of maintenance was \$57,859.33; this includes six hundred dollars worth of covers, for use in Fire Patrol. Revenue \$2,859.33; leaving an unexpended balance of \$1,628.04, the details of which will appear in the Auditor's statement.

FIRE ALARM TELEGRAPH.

The Fire Alarm was never in better condition than at present. It has given general satisfaction all through the year. The alarms having been accurately given and the system having always been in condition for use. The need of its extension year by year is apparent to all who keep track of the growth of the city. Seven boxes have been added during the year and I recommend that eight more be purchased the present year. The introduction of the Police Telegraph and the care of the telephones in the different departments make necessary the employment of an extra man, whose compensation has to be paid out of the Fire Department appropriation. While this work and its maintenance, the Fire Alarm Telegraph, can be more efficiently and economically done under the same direction, it seems to me only reasonable that a plan should be devised by which each department benefited should pay its share of the expense.

THE RELIEF ASSOCIATION.

The generous response to the appeal for funds for the Firemen's Relief Association in connection with the firemen's ball

last month was especially pleasing to all the members of the Fire Department, who accept it as evidence that the work of the firemen is appreciated beyond the compensation which the members receive for their individual services, as such it is accepted with gratitude; so all who assisted in making the contribution to the Relief fund so generous, whether through the purchase of tickets for the ball or individual contribution, the members of the Department return their cordial thanks.

CONCLUSION.

The present efficiency of the department and the interest which the individual members take in their work, is in a large measure due to the recognition which their efforts receive, particularly from the members of the City government. The requests of the Department have always received friendly consideration from the members of the City Council and the Committee. These are especially charged with the interests of the Department, and have been as efficient in their efforts to promote harmony and secure success as have been the members of the Department. The Police service at fires has been excellent. The Water Department officials have been prompt in rendering aid, and it is my pleasure to again thank all who have in any way contributed to our success, for their courtesy and co-operation.

Most respectfully submitted.

S. E. COMBS,

Chief of Department.

THE CITY HOSPITAL.

BOARD OF TRUSTEES, 1887.

<i>Alderman</i> —E. B. CRANE,		
<i>Councilmen</i> { C. F. MANN,	}	Terms expire 1888.
JAMES EARLY,		
<i>At Large</i> —STEPHEN SALISBURY,		Term expires 1888.
DR. THOMAS H. GAGE,	“ “	1889.
DR. ALBERT WOOD,	“ “	1890.
ALBERT CURTIS,	“ “	1891.

ORGANIZATION.

President—ALBERT CURTIS.

Secretary—STEPHEN SALISBURY.

Auditors— { E. B. CRANE.
C. F. MANN.

Superintendent and Resident Physician.

DR. CHARLES A. PEABODY.

*Board of Commissioners of the Jaques Fund and other Funds
of the City Hospital.*

CHARLES B. PRATT,	Term expires 1888.
ALBERT CURTIS,	“ “ 1889.
BENJAMIN WALKER,	“ “ 1890.

MEDICAL STAFF, 1887.

Consulting Physicians and Surgeons.

Oramel Martin, M. D.

J. Marcus Rice, M. D.

John G. Park, M. D.

*Visiting Staff.**Physicians.*

John O. Marble, M. D.
 Leonard Wheeler, M. D.
 J. Bartlett Rich, M. D.
 Wesley Davis, M. D.

Surgeons.

Emerson Warner, M. D.
 George E. Francis, M. D.
 Oliver S. Everett, M. D.
 S. B. Woodward, M. D.

Oculist and Aurist.

LEWIS S. DIXON, M. D.

Assistant Oculist and Aurist.

DAVID HARROWER, M. D.

Pathologist.

SAMUEL B. WOODWARD, M. D.

House Officers.

RAY W. GREENE.

F. A. WILMARTH.

ORGANIZATION.

President—EMERSON WARNER, M. D.*Secretary*—CHARLES A. PEABODY, M. D.

Committee on Conference { J. MARCUS RICE, M. D.
 E. WARNER, M. D.
 W. DAVIS, M. D.

Committee on Reports { LEONARD WHEELER, M. D.
 J. O. MARBLE, M. D.
 J. B. RICH, M. D.

Committee on Examination { J. MARCUS RICE, M. D.
 GEO. E. FRANCIS, M. D.
 O. H. EVERETT, M. D.

Superintendent of Nurses.

MRS. C. H. PIKE.

REPORT OF THE TRUSTEES.

To His Honor the Mayor, and the Honorable City Council:—

The Trustees of the City Hospital herewith present their Seventeenth Annual Report for the year ending Nov. 30, 1887.

It is only necessary to compare the number of patients treated during each of the last seven years, in order to appreciate fully the rapidly increasing demands made upon this charity.

In 1881, the number treated was,	264
“ 1882, “ “ “ “	306
“ 1883, “ “ “ “	393
“ 1884, “ “ “ “	383
“ 1885, “ “ “ “	468
“ 1886, “ “ “ “	540
“ 1887, “ “ “ “	845

During the year just closed, the daily average number of patients treated was 30.72 of males and 17.96 of females. The present capacity of the Hospital is for 35 males and 15 females in the public wards, and for 14 males and 5 females in the private wards; making in all 69 beds. Owing to the want of sleeping-rooms in other parts of the building, some of the private wards have of necessity been occupied by the nurses. The highest number of patients at any one time in the Hospital was 61. From the above figures it will be seen that the female ward has been over-crowded nearly all the time. Thirty females have been refused admission solely for lack of room. It is evident, therefore, that some provision must be made in the near future for a new ward for females.

The Memorial Hospital which will soon be opened for the reception of patients, and which is intended for the present to accommodate only women and children, may relieve, in a measure,

this over-crowded condition of the female ward. But if another year shows the remarkable increase in the number of patients that the past year has shown, most certainly a new ward will be imperatively demanded.

THE MATERNITY WARD.

The legacy of \$25,000, the gift of Mrs. Helen C. Knowles, having become available early in the year, the Trustees voted, as stated in their last report, to make use of this bequest for lying-in purposes—and to erect at once a suitable maternity ward.

Dr. Peabody was instructed to prepare plans for this ward, which should combine such an arrangement of rooms, such methods of ventilation, heating and drainage as the most advanced thought in this department of medical practice could suggest. The plans presented by Dr. Peabody were submitted to several experts in hospital construction in other large cities, for criticism, and his plans were most cordially approved. The Trustees, therefore, adopted these plans, and employed Barker & Nourse, Architects, to prepare designs for the exterior building, for working plans and for specifications.

Several conferences were held with the architects, at which Mr. Chas. H. Peck, Superintendent of Public Buildings, was present, and the final plans and specifications were completed and adopted. The contract for the building was given to Buckley & Elliot for the sum of \$13,100. This did not include the cost of the heating apparatus and plumbing, which is estimated to be \$1,900. In addition there will be the expense of furnishing, which probably will be about \$1,000; making the whole cost of the ward for occupancy \$16,000, leaving an unexpended balance of the Knowles bequest, the income of which can be used towards defraying the current expenses of this department of the City Hospital.

The ward has a capacity of 17 beds, it is situated far enough from the other buildings to be free from all deleterious influences which might arise from its being connected with a general hospital; it is admirably adapted in all its appointments to the

object for which it was erected, and its use is to be limited strictly to lying-in purposes.

The City is to be congratulated that through the wise beneficence of that philanthropic lady, Mrs. Knowles, it has been able to make such excellent provisions for the care and comfort of that unfortunate class of women for whom this charity was established.

THE ADDITIONS TO THE KITCHEN WING.

The plans for the enlargement of the kitchen wing were suggested by Dr. Peabody. The new kitchen when completed will, without doubt, afford facilities for all the requirements of the hospital for many years; even for any hospital that can be built upon the present grounds.

This new extension will contain besides the general kitchen, a special diet-kitchen, a reception-room for accidents, a sitting-room for the nurses when not on duty, additional sleeping-rooms for the house officers and the help, more storage-room, and ample space for new heating apparatus, all of which experience has shown will be absolutely required for the successful management of the hospital.

The method of ventilation now in use in the Gill ward having proved so very satisfactory during the time it has been in operation, the Trustees deemed it wise to change the system of ventilation in all the wards to correspond with the Gill ward. Now all the wards are ventilated by the same method.

THE TRAINING SCHOOL FOR NURSES.

This school now numbers 14 pupils. Four have graduated during the year, and we can most cordially recommend them to all who may require their services. The past graduates who have located in this vicinity have found ready work, and are highly appreciated by those who have had occasion to employ them. With increased facilities for teaching, which the new additions will give us, and with an enlarged course of instruction, we expect to show better work the coming year, which

will be of marked benefit to the sick, both in and out of the hospital.

Miss Z. E. Whitaker, who had been Superintendent of Nurses for 20 months, tendered her resignation in October last. She came to us highly recommended, and the character of her work indicated that she was well qualified for the position. The trustees regret that circumstances required her to resign. They feel, however, that they have been fortunate in securing the services of Mrs. C. H. Pike, to fill the vacancy. She is a graduate of a Training School for Nurses; has had experience in a similar position in another school and brings with her most excellent recommendations as to her qualifications for the office. It is our earnest hope that she may remain with us many years with increasing usefulness, and that the school may not suffer in the future, as in the past, from frequent changes of its superintendents.

OUT-PATIENTS.

It is very evident that there will soon be a necessity for an out-patient department to be connected with this hospital. The Washburn Free Dispensary, which has been centrally located since it was first established, will be removed to the Memorial Hospital building on Belmont street, early the coming summer. Patients who would naturally belong to the out-patient department of a hospital, have been cared for at the dispensary, but now many poor families living in the southern and western parts of the city will be deprived of these benefits. The city hospital has all the facilities for caring for these patients without increasing very much its current expenses. It has rooms in the basement which could be utilized for this purpose at a slight cost. It would only be necessary to appoint some additional medical officers to attend to these out-patients; and some medicines would have to be furnished.

We would respectfully call your attention to the suggestions contained in Dr. Peabody's most excellent report which forms a part of the Trustees' report. Also we would refer you to this report for the detailed statements in regard to the patients, and

much other valuable and interesting information as to the working of the Hospital.

RECEIPTS AND EXPENSES.

The following report in detail of the receipts and expenses of the Hospital during the year is submitted in accordance with the requirements of the ordinance relating to the City Hospital.

RECEIPTS.

From Appropriation by the City Government,	\$10,000 00
“ Board of Patients, etc.,	2,638 44
“ Commonwealth, aid for State Paupers,	1,295 19
“ Commissioners of the Funds,	9,269 06
Amount transferred from Liquor Licenses,	16,000 00
	<hr/>
Total receipts,	\$39,202 69

EXPENDITURES.

For Salaries and Wages,	\$7,858 95
Groceries and provisions,	6,125 19
Surgical instruments, medicines and medical supplies,	1,517 22
Crockery, tinware, etc., furniture, fixtures and repairs,	476 49
Dry goods, bedding, rubber goods, etc.,	684 83
Printing, stationery and books,	246 91
Fuel,	1,237 43
Gas,	784 20
Ice,	248 40
Water rates,	225 03
Repairs on building and boilers,	736 47
Repairs on carriages and harnesses,	47 50
Board of horse and hack hire,	382 20
Trucking, freight and express,	62 45
Postage, telegrams, etc.,	37 05
Rent of telephone,	20 00
Burials,	42 00
Plants and grounds,	28 65
Blacksmithing, hardware and tools,	87 26
Division fence (one half),	127 50
	<hr/>
	20,975 73
	<hr/>
	\$18,226 96
New Addition,	\$3,671 53
Amount transferred to Sinking Fund,	2,232 61
	<hr/>
	5,904 14
	<hr/>
Balance, November 30, 1887,	\$12,322 82

THE UNEXPENDED BALANCE.

It is gratifying to be able to report that there was an unexpended balance at the end of the fiscal year, of \$2,232.61, to be turned into the Sinking Funds of the City. This large balance was owing to the fact that more money was received from the income of the Hospital Funds than the Trustees had reason to expect; and that a larger sum had been collected from the paying patients than they had estimated. This last is a very uncertain item, and no correct opinion can be formed as to the amount which will be received.

ESTIMATED EXPENSES FOR MAINTAINING THE HOSPITAL FOR THE CURRENT YEAR.

The income from the paying patients, etc., last year,	
was	\$3,933 63
And from the Hospital Funds, was	9,269 06
	<hr/>
Total,	\$13,202 69

The estimated income from the paying patients the coming year is \$4,000. And the Treasurer of the Hospital Funds states that it is not safe to count on more than \$9,000 as the income from these funds, making the whole income \$13,000. The cost of maintaining and conducting the Hospital for the present year, based upon a careful estimate of all the expected expenses, as laid before the Trustees by Dr. Peabody, is \$23,000. We therefore ask for an appropriation of \$10,000; the same as last year.

ADMINISTRATION.

The management of the Hospital has continued under the charge of Dr. Peabody; and our thanks are due to him for the faithfulness and efficiency with which he has conducted all the departments of this institution. We have received valuable assistance and suggestions from him in preparing the plans for the new buildings, and he has devoted much time, in addition to his ordinary duties, in faithfully supervising their construction. To all the other officers and employés of the Hospital who have con-

tributed so much to its successful management, we express our grateful acknowledgments.

THE ACTIVE MEDICAL AND SURGICAL STAFF.

When the Hospital was first established, the Medical and Surgical Staff was composed of six physicians and six surgeons, a physician and a surgeon being on duty together for two months each year. Experience has shown, other things being equal, that it was for the interest of the patients to have the term of service of the Medical officers as long as possible. Acting upon this principle, the Trustees endeavored to fix the term of service for three months. This has been accomplished; now there are only four physicians and four surgeons who serve three months each year. Dr. Wm. H. Workman having resigned as one of the surgeons, Dr. S. B. Woodward was transferred from the Medical to the Surgical Staff. Dr. W. H. Danforth was elected pathologist, to fill the vacancy caused by the resignation of Dr. S. B. Woodward who had performed the duties of this office for several years.

The continued ill-health of Dr. Emerson Warner has deprived the Hospital of his valuable services for more than a year. Each of the three other members of the surgical staff has kindly consented to add one month to his term during the doctor's absence. It is the sincere hope of all those interested in this charity, that he may return home with health fully restored, and that the Hospital may yet for many years to come, have the benefit of his wise counsel and excellent services.

It is gratifying to note the punctuality and faithfulness with which the acting staff have attended to their arduous and responsible duties, which are increasing each year, and consume more and more of their valuable time.

They deserve and should receive the highest commendation for their services.

By order and in behalf of the Trustees.

ALBERT CURTIS,

President.

WORCESTER, December 22, 1887.

REPORT

OF THE

SUPERINTENDENT AND RESIDENT PHYSICIAN.

To the Trustees of the City Hospital.

GENTLEMEN:—I herewith respectfully present my Annual Report for the year ending November 30, 1887.

PATIENTS IN THE HOSPITAL DECEMBER 1, 1886.

Males,	31	Females,	19	Total,	50
Medical,	23	Surgical,	27		
Paying,	5	Free,	45		

ADMITTED FROM DECEMBER 1, 1886, TO DECEMBER 1, 1887.

Males,	541	Females,	254	Total,	795
Medical,	356	Surgical,	439		
Paying,	54	Free,	741		
Births,	2	Accidents,	122		

TREATED DURING THE YEAR.

Males,	572	Females,	273	Total,	845
Medical,	379	Surgical,	466		
Paying,	59	Free,	786		

DISCHARGED DURING THE YEAR.

Males,	541	Females,	256	Total,	797
Medical,	355	Surgical,	442		
Paying,	55	Free,	742		

CONDITION OF THOSE DISCHARGED.

Well,	389	Not treated,	9
Relieved,	296	Eloped,	17
Not relieved,	31	Died,	55

REMAINING NOVEMBER 30, 1887.

Males,	31	Females,	17	Total,	48
Medical,	24	Surgical,	24		
Paying,	4	Free,	44		

Largest number of patients in the Hospital, 61; smallest, 37. Daily average, 48.68;—of males, 30.72;—of females, 17.96. Average time in Hospital, 18.91 days; paying patients, 18.95; free patients, 18.90 days.

For paying patients the rate per week has varied from \$2.00 to \$21.00, the average being \$10.55.

The average cost per week for each patient (all expenditures being included) has been \$9.09; the actual cost to the city for each patient has been \$3.37 per week.

Cause of Death: Injury, 7; typhoid fever, 10; Bright's disease, 5; phthisis, 5; exhaustion, 5; heart disease, 3; cancer, 3; cerebral hemorrhage, 3; abscess, 2; burns, 2; strangulated hernia, 2; acute tuberculosis, 2; peritonitis, typhlitis, pneumonia, rheumatism, cystitis, arsenic poisoning, 1 each.

Death Rate: 6.5. Eight of the deaths occurred within twenty-four hours after admission.

RESIDENCE OF PATIENTS ADMITTED.

Worcester,	748
Other Towns in Massachusetts,	42
Other States,	5
	<hr/>
	795

BIRTHPLACE.

	Males.	Females.	Total.
Worcester,	67	22	89
Other Towns,	75	48	123
Other States,	68	35	103
			<hr/>
			315
Ireland,	182	87	269
Great Britain,	30	9	39
British Provinces,	38	24	62
Other Countries,	81	29	110
			<hr/>
			480

OCCUPATION.

MALES.

Laborers,	190	Barbers,	3
Metal-workers,	80	Butchers,	8
Wood-workers,	30	Bakers,	3
Leather-workers,	24	Manufacturers,	3
Stone-workers,	4	Merchants,	2
Masons,	2	Dyers,	3
Operatives,	22	Sailors,	2
R. R. employés,	27	Bookkeepers,	4
Farmers,	11	Roofers,	2
Teamsters,	13	Druggists,	3
Hostlers,	7	Physician,	1
Painters,	10	Teacher,	1
Clerks,	10	Cooks,	2
Printers,	7	Watchmen,	2
Minors,	48	Brewer,	1
Straw-workers,	2	Pauper,	1
Cutter,	1	Draughtsman,	1
Agents,	3	Laundrymen,	2
Newsman,	1		
Peddlers,	3		
			<hr/> 541

FEMALES.

Housewives,	120	Clerk,	1
Domestics,	75	Agents,	3
Operatives,	12	Student,	1
Nurses,	6	Beggar,	1
Seamstresses,	2	No occupation,	2
Cooks,	2	Minors,	25
Washerwoman,	1		
Dressmakers,	3		
			<hr/> 254

CIVIL CONDITION.

MALES.

Single,	293	Single,	103
Married,	201	Married,	111
Widowers,	47	Widows,	40

FEMALES.

Thirty-six applicants, 5 males and 31 females, have been refused admission, 33 of them for lack of room; 30 of these were women.

Of the male patients 35 per cent. were laborers, and 65 per cent. were single or widowers; of the females 30 per cent. were domestics, and 56 per cent. were single or widows.

The figures here presented show a marked increase over the record of any previous year, the number of patients admitted being greater by 56 per cent. than ever before.

There are no peculiar or special causes for this increase that I know of, except the fact that the enlarged capacity of the hospital has become generally known. But from whatever causes the increase comes, the fact remains; and this year it gives especial emphasis to the point to which I have often called attention, that the city of Worcester and the region round about is very inadequately supplied with hospital accommodations, and we have every reason to suppose that the demand upon us will still be pressing, and will constantly increase until our capacity shall be more nearly proportionate to the population about us.

We have 37 beds for male patients, and the daily average number of males was 30.72. We have 15 beds for females, and a few other beds which are used for males or females as occasion requires; the daily average number of females was 17.96, and 30 were refused admission for lack of room. Obviously the demand for more room is urgent. I have no idea that it will be lessened from any cause; on the contrary, I think it will be increased.

As heretofore, a very large part of our patients are those who may be classed as the homeless ones—domestics or laborers—unmarried and living in attics or boarding houses, and who consequently can have but small attention and indifferent care during sickness. To such the Hospital is a haven of refuge, which can be appreciated only by those who experience its benefits. The good that is accomplished by the Hospital cannot be estimated, even by those who are most familiar with its work, but it is great, and is gratefully acknowledged by our beneficiaries. I am glad to note the fact that our patients, on their discharge from the hospital, very generally give expression to their thanks for the care and attention which they have received.

The number of patients who have returned for treatment as out-patients has been larger this year than ever before; these cases have been exclusively surgical, but we have had many applications for the treatment of both medical and surgical out-

patients that could not be entertained. The indications are that there will soon be a demand for an out-patient department of the Hospital, which must be considered and provided for.

There have been two births in the Hospital this year. The Knowles Maternity Ward, now happily nearing completion, offers us the much needed facilities for the reception and care of these cases—and makes possible a record which would be more pleasing to the donor than even such a memorial as this notable addition to our buildings.

The enlargement of the kitchen wing, provided for by the prompt and generous action of the city government, is now well under way, and is to be completed by the first of April. It will give us room that is very much needed, providing (among other things) a sitting-room for the nurses, and facilities for giving them instruction and practice in preparing articles of diet for the sick. The accommodations for the nurses, however, remain crowded and inadequate, and it is due to the Hospital and to the reputation of the Training School, as well as to the nurses themselves, who are faithful and earnest in their work, that more commodious quarters be provided—this will become an absolute necessity as the Hospital grows and a larger service is required.

The Training School, now in its fifth year, is in a prosperous condition, and the pupils, under the direction of their superintendent, Mrs. C. H. Pike, are carrying on their work with harmony, diligence, and enthusiasm.

Since the last report four nurses have graduated, one has been dropped, two have left on account of their health, and one has died. Miss Mary J. Hill, born in England, with no relatives and but few friends in this country, entered the Training School in May, 1886. She had the appearance of robust health, she was earnest and diligent in her work, and displayed those qualities and traits of character that would have made her a very acceptable nurse. She died in February, of Bright's disease, after a short illness.

The nurses have received the usual bedside and text-book instruction, and have attended lectures at Miss Barnes' cooking school.

The subject of a morgue, or autopsy room, is one that frequently recurs. Several expedients for such a purpose have been proposed and discussed from time to time, but without satisfactory result, and the fact remains that we have absolutely no suitable provision for necessities that, in the nature of things, must constantly occur. And in this connection I observe that the need of more land for this, and other purposes which must soon be considered, must be apparent to even the casual observer.

There is no place in the City provided for the care and treatment of diphtheria, scarlet fever, etc., and in the case of domestic servants and those living in boarding-houses, much hardship and danger to others is thereby involved. We cannot take them, and do not desire to. Still it is a question if it is not the duty of the Hospital to provide for the reception and treatment of such cases.

It is pleasant to note that the Hospital is kept in mind by many interested observers and friends, as is shown by many gifts and other tokens of remembrance, as well as by kind words of encouragement, and of commendation of the benefits and results here realized.

The members of the visiting staff have been constant and faithful in the discharge of their voluntary service, which often involves exacting duties and weighty responsibilities.

The nurses and the employés, as a whole, should be commended for their interest and fidelity.

The work of the year has been complicated by many unusual and trying duties, and to my assistants and others who have lent willing hands, my thanks are due, and finally to your Board I am under renewed obligations for continued favor and support.

CHAS. A. PEABODY,

Superintendent and Resident Physician.

WORCESTER, December 21, 1887.

*Cases treated and their results, from December 1, 1886,
to December 1, 1887.*

MEDICAL.

DISEASES.	In Hosp. Dec. 1, 1886.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1887.	
		Males.	Females.	Total.	Well.	Relieved.	Not relieved.	Not treated.	Eloped.	Died.		Total.
Albuminuria	1	9	2	12	1	4	1		1	4	11	1
Alcoholism	1	13		14	11	2			1		14	
Anæmia			2	2	2						2	
Ascites		1	1	2		1					1	1
Asthma		1	1	2						2	2	
Bronchitis	4	10		14	8	3	2				13	1
Cancer of Stomach	1	1		2						2	2	
Catarrh		1		1	1						1	
Cephalalgia		6	2	8	4	3	1				7	1
Cerebral Hemorrhage		1		1					1		1	
Colic		3		3	2						2	1
Constipation	1		1	2	1		1				1	
Debility		2	7	9	6	2			1		9	
Dermatitis		4	2	6	2	2		2			6	
Diabetes		1		1		1					1	
Diarrhœa	1	7	3	11	8	2			1		11	
Dysentery		2		2	2						2	
Dyspepsia	1	5	3	9	6	3					9	
Eczema		3		3	3						3	
Emesis			3	3	3						3	
Empyema		1		1		1					1	
Enteritis			1	1	1						1	
Erysipelas		5		5	4						4	1
Erythema			1	1	1						1	
Exhaustion			2	2	1	1					2	
Febricula		5	3	8	7						7	1
Fever, Intermittent		1		1		1					1	
" Typhoid	4	40	14	58	43	1			1	10	55	3
Gastritis		3		3	3						3	
General Paralysis		1		1			1				1	
Heart Disease (Valvular)		2	3	5		1	1	1		2	5	
Heat Exhaustion		4		4	4						4	
Hematemesis		2		2	1	1					2	
Hematuria		1		1		1					1	
Hemoptysis		1		1					1		1	
Herpes zoster		1		1	1						1	
Infants	1	1		2	2						2	
Laryngitis			1	1		1					1	
Malaria		4	2	6	5	1					6	
Meningitis (Cerebro-Spinal)			3	3	1	1					2	1
Neuralgia	1	12	5	18	12	4	1				17	1

MEDICAL.—*Continued.*

DISEASES.	In Hosp. Dec. 1, 1886.	ADMITTED.			DISCHARGED.							In Hosp. Dec. 1, 1887.
		Males.	Females.	Total.	Well.	Relieved.	Not relieved.	Not treated.	Eloped.	Died.	Total.	
Neurasthenia . . . . .	.	2	2	4	.	4	.	.	.	.	4	.
Nostalgia . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Paralysis	1	.	5	6	.	.	.	.	.	.	1	.
Phlebitis . . . . .	.	1	1	1	1	.	.	.	.	.	1	.
Phlegmasia Dolens	1	.	2	3	2	1	.	.	.	.	3	.
Phthisis . . . . .	.	11	8	19	.	7	4	.	1	6	18	1
Pleuritis . . . . .	.	3	1	4	1	3	.	.	.	.	4	.
Pneumonia	1	8	6	15	13	1	.	.	.	.	14	1
Poison, Arsenic . . . . .	.	3	.	3	.	1	.	.	.	1	2	1
“ Lead . . . . .	.	1	.	1	.	1	.	.	.	.	1	.
“ Opium . . . . .	.	2	1	3	3	.	.	.	.	.	3	.
Pregnancy	1	.	1	2	2	.	.	.	.	.	2	.
Purpura . . . . .	.	1	1	2	1	.	1	.	.	.	2	.
Rheumatism . . . . .	.	19	9	28	17	6	.	.	1	2	26	2
Spermatorrhœa Dormientium . . . . .	.	1	.	1	.	.	.	1	.	.	1	.
Stomatitis . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Suppression of Urine . . . . .	.	.	2	2	.	2	.	.	.	.	2	.
Typhlitis . . . . .	.	5	.	5	4	.	.	.	.	1	5	.
Ulcer of Stomach . . . . .	.	.	1	1	1	.	.	.	.	.	1	.
Uterine	2	.	35	37	9	16	3	3	1	.	32	5
Vulvitis, Infantile . . . . .	.	.	1	1	1	.	.	.	.	.	1	.

SURGICAL.

DISEASES.	In Hosp. Dec. 1, 1886.	ADMITTED.			DISCHARGED.							In Hosp. Dec. 1, 1887.
		Males.	Females.	Total.	Well.	Relieved.	Not relieved.	Not treated.	Eloped.	Died.	Total.	
Abscess	1	23	4	28	14	9	1	.	.	2	27	1
Ankylosis, false . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
Anal fissure . . . . .	.	1	2	3	3	.	.	.	.	.	3	.
Bunion . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Bubo . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Calculus, vesical . . . . .	.	1	.	1	.	.	1	.	.	.	1	.
Cancer	1	4	7	12	6	.	2	.	.	2	.	2
Caries	2	.	.	2	1	.	.	.	.	1	1	.
Cataract . . . . .	.	3	8	11	8	1	1	1	.	.	11	.
Cellulitis	1	1	3	5	2	2	.	.	1	.	5	.
Conjunctivitis . . . . .	.	3	1	4	2	2	.	.	.	.	4	.
Corneal Ulcer . . . . .	.	3	3	6	2	3	.	.	1	.	6	.
Coxalgia . . . . .	.	1	1	2	.	1	.	.	.	.	.	1
Cystic Tumor of Jaw . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Cystitis . . . . .	.	3	1	4	.	3	.	.	.	1	4	.
Cystocele . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
Eczema . . . . .	.	3	3	6	.	3	.	2	.	.	5	1
Epithelioma . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Exostosis . . . . .	.	.	1	1	1	.	.	.	.	.	1	.
Felon . . . . .	.	1	1	2	2	.	.	.	.	.	2	.
Fistula, chest wall . . . . .	.	1	.	1	.	.	1	.	.	.	1	.
" anol. . . . .	.	3	1	4	.	3	.	.	.	.	3	1
" urethral	1	2	.	3	.	3	.	.	.	.	3	.
" vesico-vaginal . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
" vulvo-rectal . . . . .	.	.	1	1	1	.	.	.	.	.	1	.
Floating Cartilage . . . . .	.	1	.	1	.	.	1	.	.	.	1	.
Ganglion . . . . .	.	1	1	2	.	2	.	.	.	.	2	.
Glaucoma . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
Hemorrhoids . . . . .	.	4	1	5	2	1	.	1	.	.	4	1
Hernia . . . . .	.	3	2	5	1	1	1	.	.	2	5	.
Hydrocele	1	4	.	5	4	1	.	.	.	.	5	.
Hypospadias . . . . .	.	2	.	2	.	1	.	.	.	.	1	1
Incontinence of Urine . . . . .	.	2	.	2	.	1	.	.	.	.	1	1
Ingrowing Nail . . . . .	.	.	1	1	1	.	.	.	.	.	1	.
Iritis . . . . .	.	3	1	4	2	1	.	.	1	.	4	.
Lupus . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
Mole . . . . .	.	.	1	1	.	1	.	.	.	.	1	.
Necrosis	1	12	.	13	4	7	.	1	.	1	13	.
Neuroma	1	1	.	2	.	1	1	.	.	.	2	.
Nevoid Tumor . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ophthalmic	1	1	.	2	2	.	.	.	.	.	.	.
Orchitis . . . . .	.	8	.	8	7	.	.	.	.	.	7	1
Osteitis	1	.	.	1	1	.	.	.	.	.	.	.
Paraphymosis . . . . .	.	2	.	2	2	.	.	.	.	.	2	.
Phlyctenular Ulcer	2	.	.	2	.	2	.	.	.	.	2	.
Phymosis . . . . .	.	1	.	1	1	.	.	.	.	.	1	.
Retention of Urine . . . . .	.	4	.	4	1	2	.	.	.	1	4	.

SURGICAL.—*Continued.*

DISEASES.	In Hosp. Dec. 1, 1886.	ADMITTED.			DISCHARGED.							In Hosp. Dec. 1, 1887.
		Males.	Females.	Total.	Well.	Relieved.	Not relieved.	Not treated.	Eloped.	Died.	Total.	
Senile Gangrene	1	.	.	1	.	.	.	.	.	1	1	.
Sinus	1	.	1	.	1	.	.	.	.	1	.
Stenosis of tear duct	1	.	1	.	1	.	.	.	.	1	.
Stricture, rectum	2	2	.	2	.	.	.	.	2	.
" urethra	4	.	4	.	3	1	.	.	.	4	.
Supernumerary digits	1	.	1	1	.	.	.	.	.	1	.
Synovitis	1	1	.	2	1	1	.	.	.	.	2	.
Syphilis	2	2	4	2	1	.	1	.	.	4	.
Torticollis	2	2	.	1	1	.	.	.	2	.
Trachoma	1	3	4	.	2	.	.	1	.	3	1
Trichiasis	1	1	.	1	.	.	.	.	1	.
Tumor of eyeball	1	.	1	.	.	1	.	.	.	1	.
Ulcer, chronic	2	7	7	16	9	6	1	.	.	.	16	.
Uterine	8	8	1	4	2	.	.	.	7	1
Wen	3	1	4	2	2	.	.	.	.	4	.
INJURIES.												
Bruises	13	.	13	6	6	.	.	.	.	12	1
Burns	1	12	2	15	11	1	.	.	.	2	14	1
Concussion of Brain	1	.	1	1	.	.	.	.	.	1	.
Dislocation, Shoulder	2	.	2	2	.	.	.	.	.	2	.
" Hip	1	.	1	1	.	.	.	.	.	1	.
" Ankle	1	.	1	1	.	.	.	.	.	1	.
Dog Bite	1	.	1	1	.	.	.	.	.	1	.
Excision of Hand	1	.	1	1	.	.	.	.	.	1	.
Foreign body in throat	1	1	.	1	.	.	.	.	1	.
Fracture, Jaw	2	.	2	1	1	.	.	.	.	2	.
" Clavicle	3	1	4	2	2	.	.	.	.	4	.
" Ribs	1	5	.	6	4	1	.	.	1	.	6	.
" Humerus	3	.	3	2	1	.	.	.	.	3	.
" Ulna	1	1	.	1	.	.	.	.	1	.
" Radius	1	.	1	1	.	.	.	.	.	1	.
" Radius and Ulna	5	3	8	2	5	.	1	.	.	8	.
" Femur	3	3	6	5	1	.	.	.	.	6	.
" Fibula	2	1	3	.	.	.	.	.	.	.	.
" Tibia	1	1	.	2	1	.	.	.	.	.	1	1
" Patella	1	1	1	.	.	.	.	.	1	.
" Comp. Tibia	1	.	1	.	1	.	.	.	.	1	.
" c. c. Skull	2	.	2	.	1	.	.	.	1	2	.
" c. c. Humerus	1	.	1	1	.	.	.	.	.	1	.
" c. c. Radius and Ulna	3	.	3	2	1	.	.	.	.	3	.
" c. c. Femur	1	.	1	.	.	.	.	.	.	.	1
" c. c. Tibia	4	.	4	4	.	.	.	.	.	4	.
" c. c. Metacarpals	4	.	4	2	2	.	.	.	.	4	.
" c. c. Metatarsals	1	.	.	1	1	.	.	.	.	.	.	.
" c. c. Phalanges	1	4	1	6	5	1	.	.	.	.	6	.

SURGICAL.—*Continued.*

INJURIES.	In Hosp. Dec. 1, 1886.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1887.	
		Males.	Females.	Total.	Well.	Relieved.	Not relieved.	Not treated.	Eloped.	Died.		Total.
Frost Bite	2	2	1	1	.	.	.	.	2	.
Injury to Eye	1	15	.	16	9	6	1	.	.	.	16	.
“ Ear	1	.	1	1	.	.	.	.	.	1	.
“ Head	1	.	1	.	.	.	.	.	1	1	.
“ Elbow	2	.	2	.	2	.	.	.	.	2	.
“ Wrist	1	.	1	.	1	.	.	.	.	1	.
“ Hand	13	.	13	2	9	.	.	.	.	11	2
“ Fingers	15	5	20	4	16	.	.	.	.	20	.
“ Back	1	.	1	.	.	.	.	.	1	1	.
“ Chest	1	.	1	.	.	.	1	.	.	1	.
“ Thigh	1	.	1	1	.	.	.	.	.	1	.
“ Knee	2	.	.	2	.	.	.	.	.	.	.
“ Leg	1	1	.	2	.	2	.	.	.	.	2	.
“ Foot	1	5	1	7	3	2	.	.	.	1	6	1
Injuries, Internal	1	.	1	1	.	.	.	.	.	1	.
“ Multiple	3	2	5	2	.	.	.	.	2	4	1
Lacerated Perineum	4	4	2	1	.	.	.	.	3	1
Sprain	12	1	13	7	6	.	.	.	.	13	.
Ulcer, Traumatic	1	1	2	1	1	.	.	.	.	2	.
Wound, Contused	7	.	7	4	3	.	.	.	.	7	.
“ Gun Shot	5	.	5	3	2	.	.	.	.	5	.
“ Incised	1	8	1	10	3	7	.	.	.	.	10	.
“ Lacerated	12	1	13	3	8	.	.	.	1	12	1
“ Poisoned	2	1	3	.	1	.	.	1	.	2	1
“ Punctured	1	1	2	2	.	.	.	.	.	2	.
“ of Scalp	17	1	18	9	9	.	.	.	.	18	.

LEONARD WHEELER, M. D.,

J. O. MARBLE, M. D.,

J. BARTLETT RICH, M. D.,

Committee on Reports.

DONATIONS.

Miss May, of Leicester, old muslin ; Mrs. John Woodcock, of Leicester, a large quantity of old muslin and underclothing. *For Christmas*, 50 bouquets and flowers, from the Juvenile Temperance Union ; flowers from Mr. and Mrs. Wm. Woodward, flowers from Miss Sarah F. Earle, a box of oranges from Misses Florence Buckingham and Alice Gifford ; Mrs. F. H. Kinnicutt, pieces ; Mrs. Knox, pieces ; 12 hair cushions, old muslin, and underclothing from Miss May, of Leicester ; old muslin from Mrs. Wilder ; books and pieces from Mrs. Cowan ; Miss Gill, 2 rubber bed-pans, 1 steam atomizer, underclothing, handkerchiefs, periodicals and invalid rolling chair ; Mr. Salisbury, worsted slippers ; Mrs. R. J. Tatman, shirts ; Mrs. W. A. Gile, flannels and bandages ; Mr. E. L. Brigham, periodicals ; Mrs. Geo. E. Francis, 2 dressing gowns ; Mrs. Allen Harris, papers ; Mr. Salisbury, shirts and socks ; Mrs. Clapp, old muslin ; Mrs. Goodale, stockings and old muslin ; Mrs. P. L. Moen, shirts and flowers ; Miss Partridge, flowers ; Mrs. C. B. Pratt, old muslin and stockings ; Miss Holbrook, old muslin ; Mrs. J. J. Brigham, shirts and magazines ; Mrs. J. E. Bond, magazines ; Mrs. P. H. Carroll, old muslin ; Mrs. F. W. Wellington, old linen ; Miss Partridge, flowers ; H. G. O. Blake, old linen and shirts ; Mrs. Colton, old muslin ; Mrs. Lawton, flowers ; a large number of potted plants from the estate of Mrs. Alfred D. Foster ; American Antiquarian Society, illustrated newspapers ; Mr. E. M. Barton, illustrated periodicals ; Mrs. P. L. Moen, fruit, shirts and old linen ; Mrs. Bement, shirts ; Mr. E. O. Parker, shirts ; Mr. Waldo Lincoln, magazines ; The Wire Goods Co., 1 steel door-mat ; Mrs. S. C. Heald, \$10.00 for Thanksgiving ; publishers of the "Spy," a copy of the "Daily Spy" through the year ; publishers of the "Gazette," a copy of the "Evening Gazette" through the year.

During the year many bundles of old linen and cotton pieces have been received from unknown donors ; such contributions are gratefully received and are always very useful. They may be left at the Hospital or with the City Messenger, No. 1, City Hall.

ADMISSION OF PATIENTS, Etc.

Application for admission of patients should be made to the Superintendent at the Hospital, on each day of the week, Sunday excepted, between 9 and 11 o'clock A. M.

Whenever able the patient should apply in person. When not able to appear in person, application may be made by a friend.

Persons carried directly to the Hospital from the place of an accident are admitted immediately and at all hours.

No person having any contagious disease can be admitted, and no person can be admitted whose case is judged to be incurable, unless temporarily for urgent symptoms which are deemed capable of being relieved.

The ordinary charge per week for accommodation in the wards is \$10—which includes medical and surgical attendance, together with medicine, nursing and washing. Persons who are unable to pay, and whose place of legal settlement is Worcester, are admitted as free patients; all other free patients are charged to the State, or to the Towns where they belong. Patients in private rooms are charged \$14.00 or more per week, according to the requirements of the case.

No person shall visit any part of the premises except on business or at such times as may be fixed for the reception of visitors without the permission of the Superintendent or some one of the Trustees.

On Monday, Tuesday, Thursday and Saturday of each week, from 3 to 4 o'clock P. M., friends may be permitted to visit patients, though no patient shall receive more than two visitors on the same day. In all cases, however, the Trustees or Superintendent may exercise discretionary power as to excluding or admitting visitors.

No visitor shall be allowed to give any article of food or drink to a patient, unless by permission of the nurse; and any article sent to a patient shall be left with the Superintendent.

TRAINING SCHOOL FOR NURSES.

* The Trustees have made arrangements for giving, at the Hospital, two years' training to women desirous of becoming professional nurses.

Persons wishing to receive this course of instruction must apply to the Superintendent of the Hospital.

Candidates must be over twenty-two and under thirty-five years of age. They must be of sound health, and must present, on application, a certificate from some responsible person as to their good character.

After approval, applicants are received for one month on probation. During this month they are boarded and lodged at the Hospital, but receive no compensation.

They are subject to the rules of the Hospital, and are under the authority of the Superintendent of the Hospital and Lady Superintendent of Nurses, who have full power to decide as to the fitness of the nurses for the work, and the propriety of retaining or dismissing them at the end of the month of trial. The same authority can discharge them at any time in case of misconduct or inefficiency.

They reside in the Hospital and serve for the first year as assistants in the wards of the Hospital; the second year they will be expected to perform any duty assigned them by the Lady Superintendent, or to be sent to private cases among the rich or poor.

TRAINING.

Those fulfilling the conditions of the probationary month are accepted as pupils. They must sign a written agreement to remain at the school for two years, and to conform to the rules of the Hospital.

The instruction includes —

1. The dressing of blisters, burns, sores and wounds; the preparation and application of fomentations and poultices, of cups and leeches, and of minor dressing.
2. Administration of enemata, and use of catheter.
3. The best method of rubbing and exercising the sick.

4. Management of helpless patients; changing their clothing, giving baths in bed, preventing bed-sores, and managing position.
5. Bandaging, making bandages and rollers, and lining splints.
6. Making beds and changing sheets while the patient is in bed; the care of patients' rooms; ventilation.
7. Certain emergencies and how to treat them.

The pupils are taught to prepare food, together with drinks and stimulants for the sick, and all that pertains to night, in distinction from day, nursing.

They are taught to make accurate observations of the state of the secretions, expectoration, pulse, skin, appetite, temperature of the body, intelligence (as delirium or stupor), sleep, condition of wounds, eruptions, effect of diet, stimulants, or medicines; and to learn the management of convalescents.

Instruction will be given by attending and resident physicians and surgeons, at the bedside of the patients, and in various other ways; also, by the Superintendent of Nurses. Examinations will take place from time to time.

The pupils will pass through the different wards, serving and being taught, for one year. They are supplied with board and lodging, and will be paid ten dollars (\$10) per month for the first year, for their clothing and personal expenses. At the expiration of one year they will receive such increase of pay as the Trustees shall see fit.

When the full term of two years is completed, those who have passed a satisfactory examination will receive diplomas, certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the school for any reason which may be deemed sufficient.

A blank form will be furnished to applicants to be filled in with answers to the following questions in the candidate's own handwriting, and sent to the Superintendent of the City Hospital, Worcester, Mass.:—

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full and present address of Candidate.
2. Are you a single woman or widow?
3. Your present occupation or employment?

4. Age last birthday, and date and place of birth?
5. Height, weight?
6. Where educated?
7. Are you strong and healthy? and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow, have you children? How many? Their ages? How are they provided for?
12. Where (if any) was your last situation? How long were you in it?
13. The names in full and address of two persons to be referred to?
State how long each has known you. If previously employed, one of these must be the last employer. One of them must not be a relative.
14. Have you ever been a pupil of any other training school?
15. Have you read, and do you clearly understand the Regulations?

I declare the above statement to be correct.

REPORT OF THE COMMISSIONERS

OF THE

JAQUES FUND AND OTHER FUNDS

OF THE CITY HOSPITAL.

WORCESTER, MASS., January 2, 1888.

To the Honorable City Council:—

In compliance with the provisions of the City Ordinance governing this Commission, the undersigned present the following report of their doings, in and about the several funds in their charge, for the financial year ending November 30, 1887:—

Balance on hand, Dec. 1, 1886,	\$188,299 94
Receipts during the year,	46,579 89
	<hr/>
Total,	\$234,879 83
Payments during the year,	19,192 62
	<hr/>
Balance, Nov. 30, 1887,	\$215,687 21

The several securities and cash balances belonging to the various funds have been carefully examined by the undersigned, and found to be properly accounted for. Sundry statements, prepared by W. S. Barton, City Treasurer, and Treasurer of this Board, showing the receipts and payments on account of the several funds, together with the investments and cash balances carried forward at the end of the year, are appended to this report, and make a part thereof.

Respectfully submitted.

BENJ. WALKER,
ALBERT CURTIS,
CHAS. B. PRATT,

Commissioners of the Jaques Fund and other Funds of the City Hospital.

To the Commissioners of the Jaques Fund and other Funds of the City Hospital:

GENTLEMEN:—The undersigned, as treasurer of your Board, herewith presents sundry statements, in tabular form and in detail, showing the receipts and payments on account of the several Funds of the City Hospital, and the amounts carried forward, on the books of the treasurer, at the close of the financial year ending November 30, 1887.

CITY-HOSPITAL FUNDS.

Dec. 1, 1886, to Nov. 30, 1887.

No.	TITLE OF FUND.	Amounts Dec. 1, 1886.	Receipts during year.	Totals.	Payments during year.	Amounts Nov. 30, 1887.
1	Davis Hospital, 1873	\$ 2,313 34	\$ 133 73	\$ 2,447 07	\$ 22 00	\$ 2,425 07
2	Jaques " 1874	175,996 69	20,359 86	196,356 55	9,149 16	187,207 39
3	Curtis " 1876	1,006 39	40 28	1,046 67	29 20	1,017 47
4	Shaw " 1877	283 43	32 11	315 54		315 54
5	Tenney " 1881	5,000 00	250 00	5,250 00	250 00	5,000 00
6	Salisbury " 1884	3,197 09	129 09	3,326 18		3,326 18
7	Sargent " 1886	503 00	20 32	523 32	14 10	509 22
8	Knowles Hospit'l Bdg. 1887		25,614 50	25,614 50	9,728 16	15,886 34
Totals,		\$188,299 94	\$46,579 89	\$234,879 83	\$19,192 62	\$215,687 21

INVESTMENTS AND CASH BALANCES.

November 30, 1887.

No.	INVESTMENTS, AT PAR VALUE.					Cash Balances.	Total Assets.
	First Mortgages.	Bank Stock.	R. R. Bond.	Deposits.	Totals.		
1			\$1,000 00	\$ 1,000 00	\$ 2,000 00	\$ 425 07	\$ 2,425 07
2	\$178,350 00	\$1,500 00		5,335 37	185,185 37	2,022 02	187,207 39
3				1,000 00	1,000 00	17 47	1,017 47
4				315 54	315 54		315 54
5	5,000 00				5,000 00		5,000 00
6				3,000 00	3,000 00	326 18	3,326 18
7				500 00	500 00	9 22	509 22
8						15,886 34	15,886 34
\$183,350 00		\$1,500 00	\$1,000 00	\$11,150 91	\$197,000 91	\$18,686 30	\$215,687 21

RECEIPTS AND PAYMENTS.

RECEIPTS.

Dec. 1, 1886, to Nov. 30, 1887.

No. 1.	Interest on Railroad Bond	\$80 00	
	Interest on Savings Bank deposits	53 73	
			<u>\$133 73</u>
No. 2.	Proceeds of sales of real estate, viz.: 6 parcels, containing about 42,484 square feet of land	\$11,440 35	
	Interest on mortgage notes	8,564 41	
	Interest on National Bank deposits	270 10	
	Dividends on fifteen shares of Bank Stock . . .	85 00	
			<u>\$20,359 86</u>
No. 3.	Interest on Savings Bank deposits	\$40 28	
			<u>\$40 28</u>
No. 4.	Rent of Shaw estate, net one-fifth part	\$21 00	
	Interest on Savings Bank deposits	11 11	
			<u>\$32 11</u>
No. 5.	Interest on mortgage note	\$250 00	
			<u>\$250 00</u>
No. 6.	Interest on Savings Bank deposits	\$129 09	
			<u>\$129 09</u>
No. 7.	Interest on Savings Bank deposits	\$20 32	
			<u>\$20 32</u>
No. 8.	Bequest of Mrs. Helen C. Knowles; rec'd Dec. 21, 1886	\$25,000 00	
	Interest on National Bank deposits	614 50	
			<u>\$25,614 50</u>
	Total Receipts,		<u>\$46,579 89</u>
	Cash balances, Dec. 1, 1886 (5 funds),	\$2,771 49	
			<u>\$2,771 49</u>
	Investments, Dec. 1, 1886 (7 funds),	\$185,528 45	
			<u>\$185,528 45</u>
	Total,		<u>\$234,879 83</u>

PAYMENTS.

Dec. 1, 1886, to Nov. 30, 1887.

No. 1.	Board and treatment of patient	\$22 00	
		<hr/>	\$22 00
No. 2.	Surveying and setting bounds	\$ 5 10	
	Salary of Treasurer	125 00	
	Net income to Oct. 1, 1887, paid to city	9,019 06	
		<hr/>	\$9,149 16
No. 3.	Medical works, for library	\$29 20	
		<hr/>	\$29 20
No. 5.	Net income to Oct. 1, 1887, paid to city	\$250 00	
		<hr/>	\$250 00
No. 7.	Medical works, for library	\$14 10	
		<hr/>	\$14 10
No. 8.	Labor, etc., account of Knowles Ward	\$9,728 16	
		<hr/>	\$9,728 16
		<hr/>	
	Total Payments		\$19,192 62
	Cash balances, Nov. 30, 1887 (6 funds), as per statement II	\$18,686 30	
		<hr/>	\$18,686 30
	Investments, Nov. 30, 1887 (7 funds), as per statement II	\$197,000 91	
		<hr/>	\$197,000 91
		<hr/>	
	Total		\$234,879 83

Respectfully submitted.

WM. S. BARTON,

City Treasurer.

WORCESTER, MASS., Dec. 19, 1887.

REPORT

OF THE

CITY SOLICITOR.

To the Honorable the City Council of the City of Worcester:

I have the honor to submit my annual report as City Solicitor as follows:—

In the Supreme Judicial Court in this County, there is pending the case of

Charles D. Morse vs. City of Worcester.

No action has been taken in this case since my last report.

The following cases, being applications for damages for taking land or water rights in appropriating Tatnuck Brook to the uses of the city, are pending in the Superior Court, for this County:

William H. Harrington vs. City of Worcester.

Loring Coes vs. City of Worcester.

Loring Coes et ali. vs. City of Worcester.

John Coes et ali. vs. City of Worcester.

The Burling Mills vs. City of Worcester.

Jesse Smith et ali. vs. City of Worcester.

Eveline P. Lyon et ali. vs. City of Worcester.

James E. Ware vs. City of Worcester.

Edward D. Thayer vs. City of Worcester.

Sylvester Smith vs. City of Worcester.

Charles J. Pickford vs. City of Worcester.

Washburn & Moen Mfg. Co. vs. City of Worcester.

Obadiah B. Hadwen vs. City of Worcester.

John D. Seagrave vs. City of Worcester.

Sumner Pratt vs. City of Worcester.

Sylvia C. Pitcher vs. City of Worcester.

Paul Whitin Mfg. Co. vs. City of Worcester.

Sanders Cotton Mills vs. City of Worcester.

Sutton Mfg. Co. vs. City of Worcester.

Fisher Mfg Co. vs. City of Worcester.

Peter Simpson et al. vs. City of Worcester.

Cordis Mills vs. City of Worcester.

Robert Taft et al. vs. City of Worcester.

Bailey W. Evans vs. City of Worcester.

Charles D. Morse vs. City of Worcester.

Peter Simpson et ali. vs. City of Worcester.

Erastus R. Whipple vs. City of Worcester.

Joseph Bannigan vs. City of Worcester

Peter H. Brown, Tr. et al. vs. City of Worcester.

Alvin E. Thurston et al. vs. City of Worcester.

Loring Coes et ali. vs. City of Worcester.

Henry A. Hoyt vs. City of Worcester.

These cases have not been heard before the commissioners appointed by the court to assess the damages in the first instance.

The following cases of various kinds are pending in the same court:—

John Crimmins vs. City of Worcester.

Action to recover for injury to person caused by stairs breaking in the Waldo Street Station-house.

John O'Rourke vs. City of Worcester.

Action to recover for personal injury caused by caving in of a trench dug for water pipe.

Samuel R. Heywood vs. City of Worcester.

Petition to recover damages occasioned by laying out street over Mill Brook Sewer.

Joseph H. Walker vs. City of Worcester.

Same.

Daniel Buckley et al. vs. City of Worcester.

Same.

John Hart vs. City of Worcester.

Same.

Dominick Hart vs. City of Worcester.

Same.

Catharine Dunn vs. City of Worcester.

Same.

Samuel C. Brigham vs. County of Worcester.

This is a petition for assessment of damages by relocation of Grove Street, in which the city is joined as a party.

Ann B. Earle vs. City of Worcester.

Action to recover damages for falling of the wall on the line of plaintiff's estate on Summer Street.

Almira S. Huse vs. City of Worcester.

Petition for assessment of damages occasioned by laying out Hawley Street as a public street.

Catharine M. Houlihan et al. vs. City of Worcester.

Petition for damages by laying out street over Mill Brook Sewer.

Bridget Conlin vs. City of Worcester.

Same.

Simon W. Phetteplace vs. City of Worcester.

Petition to revise a sewer assessment on Park Avenue.

Ellen Delaney vs. City of Worcester.

Action to recover for injury by reason of a defect on Belmont Street.

Thomas F. Monahan vs. City of Worcester.

Action to recover for injury received while working on sewers, by falling of bricks upon the plaintiff.

Henry Stead vs. City of Worcester.

Action to recover for damages to personal property by reason of water flowing back from sewer on Bigelow Street.

Helen A. Marble vs. City of Worcester.

Bill in equity to restrain the city from removing fence on Elm Street. The case involves the question of the location of the South line of Elm Street, between Main and Chestnut Streets.

Norwich & Worcester R. R. Co. vs. City of Worcester.

Petition for damages caused by cutting down the grade of Southbridge Street.

The following cases removed from the Superior Court for this County to the United States Court, have been heard before a Commission appointed by the latter Court, and the awards returned into court. They are petitions of Mill owners residing in Rhode Island for damages occasioned by taking the waters of Tatnuck Brook.

Blackstone Mfg. Co. vs. City of Worcester.

Manville Co. vs. City of Worcester.

Lonsdale Co. vs. City of Worcester.

Mumford et al. vs. City of Worcester.
Social Mfg. Co. vs. City of Worcester.
Harris Woolen Co. vs. City of Worcester.
Albion Company vs. City of Worcester.
John W. Donelson et al. vs. City of Worcester.
Lippit Woolen Co. vs. City of Worcester.
Valley Falls Co. vs. City of Worcester.
Mary E. Davis et al. vs. City of Worcester.
William Jencks et al. vs. City of Worcester.
Bridge Mills Co. vs. City of Worcester.
Geo. L. Littlefield vs. City of Worcester.
Stafford Mfg. Co. vs. City of Worcester.
Pawtucket Hair Cloth Co. vs. City of Worcester.
Darius Goff vs. City of Worcester.
Cornelius E. Green et al. vs. City of Worcester.
Bathsheba A. Benedict vs. City of Worcester.
Central Falls Woolen Mill vs. City of Worcester.
American Worsted Co. et al. vs. City of Worcester.
Clinton Mfg. Co. vs. City of Worcester.
Louisa Jencks et al. vs. City of Worcester.

The total awards with the commissioners' fees amount to one hundred and thirty-seven thousand three hundred and ten dollars (\$137,310).

Either party may apply for a jury to revise the award. Such application may be made at the term at which the award is accepted, or at the next term thereafter.

The case of *Jeremiah Driscoll vs. City of Worcester* is also pending in the United States Circuit Court. This is a bill in Equity to recover for damages for the infringement of a patent for laying concrete pavement in blocks. I am of opinion that the case will be abandoned by the plaintiff.

The petition filed in 1873 by the *Washburn & Moen Manufacturing Company vs. City of Worcester* before the County Commissioners to recover damages for appropriation of portions of Mill Brook for sewerage purposes is still pending.

Respectfully submitted.

FRANK P. GOULDING,

City Solicitor.

COMMISSIONERS

— OF —

HOPE CEMETERY

FOR THE YEAR 1888.

ELIJAH B. STODDARD,	-	-	-	Term expires 1889.
ALBERT CURTIS,	-	-	-	“ “ 1890.
ALBERT TOLMAN,	-	-	-	“ “ 1891.
WILLIAM BUSH,	-	-	-	“ “ 1892.
THOMAS M. ROGERS,	-	-	-	“ “ 1893.

ORGANIZATION FOR THE YEAR 1888.

<i>Chairman,</i>	-	-	-	-	-	ALBERT TOLMAN.
<i>Secretary,</i>	-	-	-	-	-	E. B. STODDARD.
<i>Manager,</i>	-	-	-	-	-	WILLIAM BUSH.
<i>Assistant-Manager,</i>	-	-	-	-	-	ALBERT CURTIS.

Superintendent of Grounds,

F. A. BARNES.

THIRTY-FOURTH ANNUAL REPORT
OF THE
COMMISSIONERS OF HOPE CEMETERY,
FOR THE YEAR 1887.

*To the Hon. Samuel Winslow, Mayor, and to the City Council
of the City of Worcester:—*

The Commissioners of Hope Cemetery, as required by the Charter, report their "Acts and Doings" for the year 1887. Under the supervision and through the direct agency of the faithful superintendent, Mr. Barnes, the extensive grounds with many miles of avenues and paths were kept in good order.

The Tomb for which the City Council made an appropriation of \$5,000—in the year 1886—with substantial wing walls and grading at an expense of \$1,550, which was paid from the funds of the Cemetery, was finished.

The grounds near the principal entrance, from which the old Tomb was taken, was regraded and ornamented with fine substantial granite curb-stone, at a cost of \$3,000. These expenditures were required by the increasing use of the Cemetery, and to keep pace with improvements being made by the owners of lots.

548 yds. of paving in gutters were laid.

39 lots were graded, turfed, and corner posts set, at a cost of \$1,053.

141 lots were graded and 915 lots were kept in good order for individual owners, and there is due for this work a balance of \$762.65.

405 graves were made. 73 were for burials in free grounds.

99 foundations were laid for monuments and tablets or headstones.

8 vaults for owners of lots were made at a cost of \$200.

900 loads of muck were taken from the swamp.

Wood was cleared from one acre of land.

3 horses and 15 men were employed most of the year.

The annexed statement of Receipts and Payments will show in detail the sums expended in the year 1887.

The several kinds of work to which we have referred indicate how various have become the matters to which the care of your Commissioners extend, including in fact all that a large and well kept Cemetery requires.

Within the year 57 lots sold at prices from \$12 to \$25.

25	“	“	“	“	\$25 to \$70.
----	---	---	---	---	---------------

22	“	“	“	“	\$70 to \$235.
----	---	---	---	---	----------------

Number sold, 104 lots for \$4,197.00.

About 3,000 lots have been deeded to individuals since the opening of the Cemetery.

Besides the large number of tablets and headstones, many of which are costly, 293 expensive monuments have been erected.

The grounds where free burials are made must receive proper care from municipal authority.

From the facts stated in this Report and that may be gathered from the accompanying financial statements, the conclusion must be admitted that your Commissioners are justified in urging over and over again the acquisition by the City of adjoining unoccupied lands to be added to that already appropriated for the Cemetery.

Respectfully submitted with accompanying financial statements, by

ALBERT TOLMAN.

WILLIAM BUSH.

T. M. ROGERS.

ALBERT CURTIS, per S.

E. B. STODDARD.

VALUATION OF PROPERTY AT HOPE CEMETERY.

Tools, as per schedule,	\$203 60	
Harnesses, 3 carts, 2 wagons, 2 sleds,	345 00	
3 horses,	500 00	
Hay and straw,	170 00	
Lumber,	40 00	
Manure, and 1000 loads of muck,	300 00	
		<hr/>
		\$1,558 60
Barns, sheds, tool-house and office,	\$2,100 00	
House and one-half acre of land,	3,000 00	
		<hr/>
		\$5,100 00
		<hr/>
Total,		\$6,658 60

MANAGER'S STATEMENT.

BALANCE SHEET.

DR.

Dec. 1, 1886. Balance cash,	\$1,836 28	
Cash, W. S. Barton, as per pay-rolls,	7,632 20	
House rent,	165 00	
Wood sold,	237 12	
Labor and material on lots,	6,676 76	
Lot sold,	50 00	
		<hr/>
		\$16,597 36

CR.

City Treasurer,	\$1,500 00
Deeds,	42 00
Curbing,	2,956 50
Labor with teams,	35 70
Stone posts,	322 00
Turf,	150 00
Hay and grain,	268 42
Tools and repairs,	263 86
Stone for base monument,	11 00
Bricks,	83 75
Books, paper, printing,	49 00
Lime and cement,	230 27
City Engineer,	17 23
Horse shoeing,	47 31
Telephone,	40 00
Lumber and carpentering,	32 74
City water,	45 71
Paints and painting,	175 33

Extension water pipes,	152 30
Coal and wood,	46 25
Manure,	247 40
Repairs,	26 70
Grass seed,	23 45
Sundries,	240 88
Iron racks, etc., tomb,	480 00
	<hr/>
	\$7,487 80
Labor, as per pay-rolls,	7,632 20
	<hr/>
	\$15,120 00
	<hr/>
Balance,	\$1,477 36

OFFICE OF THE CITY TREASURER,
WORCESTER, MASS., Dec. 17, 1887.

To the Commissioners of Hope Cemetery :—

GENTLEMEN :—The undersigned, as Treasurer, *ex-officio*, of sundry funds in charge of your Board, herewith presents a statement of his receipts and payments, on account of Hope Cemetery, during the last financial year, and of the several balances carried forward, on the books of the Treasurer, at the close of business, November 30, 1887.

Balances, Dec. 1, 1886, viz. :—

Savings Bank deposits, reserved fund,	\$7,000 00
Savings Bank deposits, Ch. 116, P. S. (36 lots),	3,050 00
Savings Bank deposits, Ch. 186, St. 1884 (21 lots),	2,150 00
Cash on deposit,	2,258 76
	<hr/>
	\$14,458 76

Receipts during the year, viz. :—

Proceeds of sales of 104 lots,	\$4,197 00
Cash from W. Bush, Commissioner,	1,500 00
Special deposits, under Ch. 116, P. S. (11 lots),	1,100 00
Special deposits, under St. 1884 (6 lots),	600 00
Dividends on Savings Bank deposits (general),	280 00
Dividends on Savings Bank deposits (special),	207 00
Interest on bank deposits,	24 50
	<hr/>
	\$7,908 50
	<hr/>
Total,	\$22,367 26

Payments during the year, viz. :—

Labor of men, etc., as per pay-rolls,	\$7,632 20
	<hr/>
	\$7,632 20

Balances, Nov. 30, 1887, viz. :—

Savings Bank deposits, reserved fund,	\$7,000 00
Savings Bank deposits, Ch. 116, P. S. (47 lots),	4,150 00
Savings Bank deposits, Stat. 1884 (27 lots),	2,750 00
Cash on deposit,	835 06
	<hr/>
	\$14,735 06
	<hr/>
Total,	\$22,367 26

Respectfully submitted,

WM. S. BARTON,

City Treasurer.

WORCESTER FREE PUBLIC LIBRARY.

DIRECTORS IN 1888.

		TERM EXPIRES.
FRANCIS A. GASKILL,	JAMES E. ESTABROOK,	Dec. 31, 1888.
ADIN THAYER,	GEORGE SWAN,	" 1889.
THOMAS GRIFFIN,	E. HARLOW RUSSELL,	" 1890.
JOHN O. MARBLE,	A. GEORGE BULLOCK,	" 1891.
HENRY H. MERRIAM,	MOSES H. HARRIS,	" 1892.
PHILIP L. MOEN,	BURTON W. POTTER,	" 1893.

ORGANIZATION FOR THE YEAR.

PRESIDENT.

FRANCIS A. GASKILL.

SECRETARY AND TREASURER.

JAMES E. ESTABROOK.

COMMITTEE ON THE LIBRARY.

ADIN THAYER, JAMES E. ESTABROOK, E. HARLOW RUSSELL,
JOHN O. MARBLE, A. GEORGE BULLOCK.

COMMITTEE ON READING-ROOM.

GEORGE SWAN, MOSES H. HARRIS, BURTON W. POTTER.

COMMITTEE ON THE BUILDING.

THOMAS GRIFFIN, ADIN THAYER, HENRY H. MERRIAM.

COMMITTEE ON FINANCE.

FRANCIS A. GASKILL, A. GEORGE BULLOCK, PHILIP L. MOEN.

LIBRARIAN.

SAMUEL S. GREEN.

ASSISTANT-LIBRARIANS.

LUCIE A. YOUNG, JESSIE E. TYLER, ELLEN L. OTIS,
M. JENNIE BARBOUR, SARAH D. TUCKER.

DIRECTORS' REPORT.

To the Honorable Samuel Winslow, Mayor, and the City Council of the City of Worcester :—

The Directors of the Free Public Library respectfully submit their twenty-eighth annual report.

The Rules of the Board provide that the annual report shall be made by a committee appointed for that purpose.

It has been the uniform practice for many years, to select the President of the Board to perform that duty.

With the deepest regret the Directors depart from the usage of the past.

It is their sad duty to make formal announcement to you of the loss of their late President, Hon. Francis H. Dewey, who died in this city, December 16, 1887.

At a special meeting of this Board held on the following day, a memorial, herewith transmitted, was adopted which expresses our appreciation of his services to the Library and of our loss.

We had expected that the hand of our honored President would for the last time before he completed his term of service, as a member of this Board, write our annual report. But

“A greater power than we can contradict
Hath thwarted our intents.”

That hand, the ever ready servant of his active and ingenious mind, has performed its last work and the quick and practiced intelligence that would so easily have grasped and so clearly have presented the various details and the true scope of our work has forever ceased its human activity.

In the shadow of this loss, we can only, hastily and imperfectly present the one paramount need of the Library.

The reports of the Standing Committees, together with the admirable report of the Librarian show the work of the year, but they cannot show the results of that work—those we believe are to be found in every school and in nearly every home in our city.

By them we are reminded afresh of the value and usefulness to all classes, of this great agency of cultivation and enjoyment.

Our Library has been converted from a passive to an active educational instrumentality. This change, amounting almost to a revolution, has taken place in library management generally throughout all the centres of civilization and it is gratifying to feel assured, as we certainly may, that our own Library stands well to the front in vigor, intelligence and skill of management as well as in the more important qualities of progressiveness and adaptability to the needs of our people.

But the liberal support and energetic administration that have combined to raise this institution to its present pitch of excellence and to make it absolutely indispensable to the Worcester of the present and of the future have brought us to a most important crisis in its history.

The accommodations and facilities afforded by the existing library building are inadequate and unsuitable to a degree that calls loudly for a change and advance. This is a demand, not of sentiment, but of utility.

When our building was erected, few persons had any notion of the rapidity with which libraries would grow or of the multifarious uses to which they would be put to-day. The same mistake made in Worcester in erecting a building only of moderate size without any provision for its enlargement, was made everywhere.

A new building for our Library is imperatively required. The library has completely outgrown its present quarters. Every department is crowded and cramped for room.

More room is needed for the storage of books; more space for reading-rooms; greater facilities for the accommodation of stu-

dents and for different classes of investigators whose age and inquiries differ; enlarged quarters for the Executive officers of the Library; a room in which to keep and display our large and increasing collection of books illustrating the fine arts, and one of ample size for a lecture room.

It becomes more evident with each year that a temporary makeshift would be but poor economy.

The Directors in a special communication during the past year called your attention to this subject, and they now feel that they would be utterly neglectful of their duty if they failed to state earnestly and emphatically their conviction upon this matter, or if they refrained longer from pressing upon you the importance and necessity of immediate action in securing *at least* a suitable lot, on which to erect a building that shall be not only ample and properly adapted for present needs, but also capable of answering the requirements of the rapid growth of our City, and the wide expansion of its educational interests which may be confidently expected in the years to come.

With increased facilities, an immensely greater work can be done by the Library than it is doing to-day.

The Librarian has projects in mind which, with facilities afforded for carrying them out, will bring this community with greatly increased frequency and closeness into contact with the best sources of information and of enlightened entertainment.

The Directors congratulate you and the citizens of Worcester upon retaining the services of Mr. Green as Librarian, though constantly sought elsewhere. Both he and his assistants continue to serve the city with a diligence and devotion that deserve not only entire approval but the warmest commendation.

In behalf of the Directors,

FRANCIS A. GASKILL,	}	<i>Committee.</i>
JOHN O. MARBLE,		
E. H. RUSSELL,		

Memorial.

FREE PUBLIC LIBRARY OF THE CITY OF WORCESTER, MASSACHUSETTS.

We, the Directors of the Free Public Library, desire to place on record our sincere appreciation of our late President, Hon. Francis H. Dewey, who, "in such an hour as we thought not," has been taken from us.

We delight to recall our pleasant association with him in this Board, his cordial and cheery greeting, his earnest, thoughtful and constant efforts in behalf of our library, the prudent and sagacious counsel with which he sought to protect its interests and increase its usefulness, the promptness with which he met every appointment, the absolute fidelity with which he performed every duty, the alertness and activity of mind, and the clearness of statement which contributed so noticeably to the adoption of the wisest measures.

The library has profited by his acute business sagacity, and has been aided by his intelligent scholarly judgment.

We can say with earnestness that among all the presidents of this Board none have exceeded President Dewey in loyalty to the library, or in satisfaction at its upbuilding and enlargement.

We had hoped, that though his term of office was so soon to expire, we should still have had his counsel and assistance, and we therefore feel as if our library must bear almost a double loss.

In his death each of us feels a personal bereavement, and we extend to his family our warmest sympathy in their deep sorrow.

REPORT OF THE LIBRARIAN

OF THE

FREE PUBLIC LIBRARY.

To the Board of Directors of the Free Public Library:

The annual report of the Librarian has usually been addressed to the President of the Board of Directors. To-day the chair at the head of our table, which the President occupies, is empty. No words of mine can add to the eloquent speech of that vacant chair.

It reminds us of the faithfulness and ability with which Judge Dewey filled the position of President of the Board of Directors, and makes us regret keenly that we shall never meet again on earth the pleasant-mannered and wise gentleman who has for the last five years presided over our deliberations.

The present is the twenty-eighth annual report of the Librarian, and the seventeenth which I have prepared.

The tables which usually form a part of this report will be found at its close. They show the receipts and expenditures of the library, its accessions, the number of volumes used by readers and students, and the extent of the use of the reading-rooms on Sunday, and record such other facts in the history of the library the past year, as it is our custom to call attention to.

There has been a slight apparent diminution in the use of the library, for purposes of reference, the past year. The cause of this seeming decrease in use is to be found in the fact that owing to the crowded state of the upper reading-room it has recently been found advisable to encourage teachers and scholars to take out books to use in school and at home, which with

more room at our disposal we should have been happy to have had them use in the library building.

Much of the work done in connection with the schools must continue to be done in the library building, and it is therefore very important in the interest of all persons concerned, scholars, teachers, and the general public, that more ample accommodations should be provided, and that the space allotted to reading rooms for students, readers of magazines, and literary and scientific papers, and for children and grown-up persons, should be divided into as many rooms as will best further the objects and promote the advantage of various kinds of inquirers and readers.

There has been an increase in the use of the circulating department during the past year, and the use of the books in both the circulating and reference departments and of the magazines and papers in the two reading-rooms has been very large in the year just closed.

The whole number of volumes given out to readers and students the past year is 198,000. This use is divided among the different departments as follows: Circulating department 137,015; reference department 59,319; Sunday reference use 1,666. 12,637 persons have used the reading-rooms on Sunday during the past year.

It should be borne in mind that no statistics are here given to show the use of the books of the circulating department by scholars and teachers. Books that are taken out by teachers, on teachers' and pupils' cards are charged as other books, but they are used many times in school-houses and in the homes of pupils and instructors.

The school use has continued to increase during the last year, but the plans in use have been slightly modified so as to avoid the possibility of seeming to interfere in the least with the prerogatives of the School Board.

Teachers are enthusiastic in regard to the advantages to themselves and their pupils which both are receiving in the free use of books allowed them by the rules of the library.

Reference books, as this term is usually understood, are not

provided by the library for use in school-rooms. Books of this kind are furnished to the schools by the School Committee.

The whole number of volumes in the library is 70,350, an increase during the year of 3,441 volumes. These figures would have been larger if we had not disposed of 778 duplicates and deducted that number from the numbers representing the total number of volumes in the library and the increase during the year.

The City Council will be asked to appropriate \$4,500 to buy books with the coming year in addition to the amount asked for to aid in doing a portion of the school work. This is a small sum to use in meeting the reasonable wants of citizens; such wants as we have led them to believe that we are ready to attend to. Investigation increases apace and new subjects arise which excite attention. New books are being continually published treating of fresh subjects of interest, or adding to our knowledge respecting matters that are old or regarding them from new points of view. If there is to be life in a library it must constantly buy new books. It must buy, too, no inconsiderable numbers of them.

In conclusion I wish to say that it will be impossible to provide places for the books to be added to the library in the immediate future unless a new library building shall be erected at once.

During the last three years the library has disposed of large numbers of duplicates in order that it might use the room occupied by them.

It has no more to dispose of and I estimate that after resorting to all economies of space that are practicable we shall have left in the present building room for only about one year's growth of the circulating department.

No more room can be given to this department without seriously abridging privileges now enjoyed by the public. None of the rooms now occupied by the reference library or the reading-rooms is available. Additional room will be needed in a few years for the accommodation of the books of the reference library. The upper reading-room, as already stated, is even now wholly

inadequate in size to our wants. The lower reading-room is none too large. The working-room of the librarian and assistants should be very much enlarged. An art-room and a lecture-room as also rooms for students who need opportunities to pursue investigations without disturbance from noise are very much needed. It may be even said that they are indispensable.

A list of persons and institutions to whom we are indebted for gifts is appended to this report. We wish to extend hearty thanks to the friends who have so kindly remembered us. Especial gratitude is due to the Boston Athenæum for its great kindness during the past year, as in previous years, in lending us books for the use of citizens of Worcester. We have to thank several other libraries, also, for assistance rendered to us.

Following is my account of money collected for fines, etc., with the signatures of the two surviving members of the Finance Committee which were attached to it after examination of the account by those members of the Committee :—

CITY OF WORCESTER,

FREE PUBLIC LIBRARY, December, 1887.

We have examined the Librarian's account from December 1, 1886, the date of the last settlement, and find that it stands as follows :—

Cash balance in librarian's hands, December 1, 1886,	\$221 27	
Received for fines,	504 78	
“ from sale of copies of the printed catalogue and of lists of additions,	111 21	
“ from deposits of persons not regularly allowed to take out books,	25 00	
“ as payments for books lost or mutilated,	6 30	
“ from sale of worn out books, waste-paper, etc.,	4 05	
“ from Treasurer of the Green Library Fund for books, as per bill,	285 00	
		\$1,157 61
Paid in return of deposits,	\$27 00	
“ “ “ for books which had been found and returned after having been paid for because lost,	2 19	
“ W. S. Barton, City Treasurer,	894 88	
	\$924 07	
Balance in librarian's hands, December 1, 1887,	233 54	
		\$1,157 61

JONAS G. CLARK, } *Members of the*
A. G. BULLOCK, } *Finance Committee.*

RECEIPTS AND EXPENDITURES.

RECEIPTS.

Municipal appropriation,	\$15,000 00
Income from invested funds:—	
Green Library Fund,	\$1,582 26
Reading-room Fund,	478 24
	<hr/>
	\$2,060 50
Receipts from dog licenses,	3,961 16
“ “ fines,	504 78
“ “ sale of catalogues,	111 21
Payments for missing and damaged books,	4 11
Sundries,	4 05
	<hr/>
	\$21,645 81
Cash on hand at last report:—	
Green Library Fund,	\$1,609 24
Fines, catalogues, etc.,	221 27
Reading-room fund,	69 91
	<hr/>
	1,900 42
	<hr/>
	\$23,546 23

EXPENDITURES.

BOOK ACCOUNT.

Books:—	
Green Library Fund,	\$1,918 18
City appropriation,	5,772 57
	<hr/>
	\$7,690 75
Periodicals:—	
Green Library Fund,	\$27 79
City appropriation,	429 87
Reading-room Fund,	478 24
	<hr/>
	\$935 90
Binding,	981 85

BUILDING ACCOUNT.

Repairs and additions, }	
Furniture and fixtures, }	\$1,644 49
Insurance,	298 75
Fuel,	305 18
Lights,	763 83

SALARY ACCOUNT.

Administration (including wages of janitor),	\$6,286 43
Cataloguing,	580 50
Extra service,	1,398 94

SUPPLY ACCOUNT.

Printing catalogues,	\$163 59
Blanks and stationery,	176 31
Postage,	117 23
Sundries :—Water for elevator, etc.,	\$124 64
Printing report,	38 45
Freight (foreign and domestic), expressage, and minor running expenses (including \$2, the amount returned to depositors in excess of the amount received from them),	295 71
	<hr/>
	458 80
Paper covers (covering paper),	52 00
	<hr/>
	\$21,854 55
Cash on hand December 1, 1887 :—	
Green Library Fund,	\$1,245 53
Reading-room Fund,	209 71
Money received from fines, sale of catalogues, etc.,	233 54
	<hr/>
	\$1,688 78
	<hr/>
	\$23,543 33
Amount of city appropriation transferred to the Sink- ing Fund,	2 90
	<hr/>
	\$23,546 23

ACCESSIONS.

Increase of volumes by purchase :—

Green Library,	177
Intermediate department,	617
Circulating department,	2,842
	<hr/>
	3,636

Increase of volumes by gifts :—

Intermediate department,	349
Circulating department,	75
	<hr/>

Increase of volumes by binding periodicals :—

Green Library,	12
Intermediate department,	214
Circulating department,	25

 251

Increase by placing unbound periodicals in the library :—

Intermediate department,	1
--------------------------	---

Number of missing volumes restored since last report :—

Circulating department,	4
-------------------------	---

 4,316

Number of volumes withdrawn since last report :—

Green Library (change caused in binding),	2
Intermediate department,	778
Circulating department,	79

 859

Number of volumes missing since last report :—

Green Library,	2
Circulating department,	14

 16

 875

 Net increase for the year, 3,441

Number of volumes in the library as last reported :—

Green Library,	21,887
Intermediate department,	15,525
Circulating department,	29,497

 66,909

 Total number of volumes in the library, 70,350

Increase of unbound pamphlets by purchase :—

Intermediate department,	61
--------------------------	----

Increase of unbound pamphlets by gifts :—

Intermediate department,	401
--------------------------	-----

 Number of pamphlets withdrawn, 1,174

Number of newspapers subscribed for :—

Reading-room fund and City funds,	108
-----------------------------------	-----

 Number of newspapers given to the Reading-room, 37

Number of magazines subscribed for :—

Reading-room fund and City funds,	109
Green Library fund,	9

 118

 Number of magazines given to the Reading-room, 13

CIRCULATION.

Number of days the Circulating department was open,	306
Number of days the Reference department was open,	358
Number of days the lower Reading-room was open,	365
Number of volumes delivered for home use,	137,015
Number of volumes delivered for reference use,	59,819
Average daily use (home and reference), (Circulating department, 448; Reference department, 193),	641
Largest daily use (home and reference), February 12, (Largest in Circulating department, February 19, 1,070 volumes; in Reference department, April 4, 451 volumes).	1,286
Smallest daily use (home and reference), June 30, (Smallest in Circulating department, June 30, 172 volumes; in Reference department, September 7, 22 volumes).	237
Number of books lost and paid for:—	
Circulating department,	4
Number of books lost and not paid for:—	
Circulating department,	10
Number of books worn out and withdrawn,	79
Number of notices to delinquents,	6,240
Number of volumes bound,	1,896
Number of names registered during the year,	1,701
Total number of names registered (a new registry made July 1, 1873),	30,175

SUNDAY USE.

The Reading-rooms are open from 2 to 9 P. M.	
Number of persons using the upper room,	4,448
Number of persons using the lower room,	8,189
Total number,	12,637
Average number of persons per Sunday using the rooms,	248
Largest Sunday attendance, January 9,	427
Smallest Sunday attendance, July 3,	74
Number of volumes delivered (for use within the building),	1,666
Average number of volumes delivered per Sunday,	32

SAMUEL S. GREEN,

Librarian.

APPENDIX.

GIFTS TO THE LIBRARY.

DONORS.	Books.	Pamphlets	DONORS.	Books.	Pamphlets
Aberdeen, <i>Scotland</i> , Public Library,		1	Biblioteca Nazionale Centrale Vittorio Emanuele di Roma, <i>Rome, Italy.</i>		4
Adams, Charles K., <i>Ithaca, N. Y.</i>	1		Bigelow Free Public Library, <i>Clinton,</i>		1
Adams, Herbert B., <i>Baltimore, Md.,</i>		2	Billings, John S., <i>Washington, D. C.,</i>		1
Albany Young Men's Association for Mutual Improvement,		1	Birchard Library, <i>Fremont, Ohio.,</i>	1	1
American Antiquarian Society,		2	Birmingham, <i>England</i> , Free Libraries Committee,		1
American Board of Commissioners for Foreign Missions, 3 folded sheets, 1 card,		3	Blanchard, Frank S. & Co., 1 sheet,		2
American Congregational Association,			Bliss, Eugene F., <i>Cincinnati, O.,</i>		1
American Institute of Mining Engineers,	1	1	Boston, City of,	1	
American Missionary Association,		2	Boston, City Council,	3	
American Unitarian Association,	1	1	Boston, City Messenger,	2	1
Amherst College, <i>Amherst,</i>		2	Boston, Public Library,		3
Amory, Thomas C., <i>Boston,</i>	1		Boston Museum of Fine Arts,		8
Andover Theological Seminary, <i>Andover,</i>		1	Bowdoin College, <i>Brunswick, Me.,</i>		2
Anonymous, 1 folded sheet, 3 newspapers, 1 sheet,		14	Bowdoin College Library, <i>Brunswick, Me.,</i>		1
Apprentices' Library Company, <i>Philadelphia, Pa.</i>	1		Bowen, Clarence W., <i>New York City,</i>		2
Arundel Society, <i>London, Eng.,</i>		2	Braun Ad. & Cie., <i>Paris, France,</i>	1	1
2 folded sheets.			Bridgeport, <i>Conn.</i> , Public Library,		1
Astor Library, <i>New York City,</i>	2	2	Brighton, <i>England</i> , Free Library,		1
Aubin, Gideon, 1 folded sheet.			Brookline, Public Library,		1
Baker, Walter & Co., <i>Dorchester,</i>	1		Brooklyn Library, <i>Brooklyn, N. Y.,</i>		2
Ball, Phinehas,		1	Brown, Marie A., <i>London, Eng.,</i>		1 folded sheet.
Ballou, Maturin M., <i>Boston,</i>	1		Brown University, <i>Providence, R. I.,</i>		2
Barrow-in-Furness Free Public Library,		1	Buffalo Library, <i>Buffalo, N. Y.,</i>		2
Belknap, Wm. W., <i>Keokuk, Iowa,</i>		1	Cambridge, <i>England</i> , Public Free Library,		1
Bell, Charles H., <i>Exeter, N. H.,</i>		1	Cambridge, <i>Mass.</i> , Public Library,		1
Berry, John M., 1 newspaper,		1	Canfield, Mrs. Penelope S. and Miss Penelope W. S.,	6	
Biblioteca Nazionale Centrale di Firenze, <i>Florence, Italy,</i>		41			

DONORS.	Books.	Pamphlets	DONORS.	Books.	Pamphlets
Cardiff Free Library, Museum and Science and Art School, <i>Cardiff, Wales,</i>			Dundee Free Library, <i>Dundee, Scotland,</i>		1
Caspar, C. N., <i>Milwaukee, Wis.,</i>			1 Editors of W P I,		1
Chace, Mrs. George I., <i>Providence, R. I.,</i>	1		1 Engineering, Publishers of, Enoch Pratt Free Library, <i>Baltimore, Md.,</i>		1
Chalmers, Patrick, <i>London, Eng.,</i>			Estes & Lauriat, <i>Boston,</i>	1	5
Chamberlain, D. H., <i>New York,</i>			4 Fairbanks & Co., 1 newspaper.		
Chamberlain, Mellen, <i>Boston,</i>			1 Farnham, J. M. W., <i>Shanghai, China,</i>	1	
Chemical Society, <i>Washington, D. C.,</i>			Faxon, Henry H., <i>Boston,</i>		1
Chicago, <i>Ill.,</i> Public Library,			2 Field, B. Rush, <i>Easton, Pa.,</i>		1
Chicopee, Town Library,			1 Flanders, Dana J., <i>Boston,</i>	1	
Childs, George W., <i>Philadelphia, Pa.,</i>			1 Fletcher Free Library, <i>Burlington, Vt.,</i>		1
Cincinnati, <i>Ohio,</i> Public Library,			1 Forbes, R. B., <i>Boston,</i>		1
Clarke, Robert & Co., <i>Cincinnati, O.,</i>			1 Foster, Emma E.,	7	
Cobden Club, <i>London, Eng.,</i>			Friends' Free Reading Room and Library, <i>Germantown, Pa.,</i>		1
Colby University, <i>Waterville, Me.,</i>			Gage, William Leonard, <i>Hartford, Conn.,</i>	1	
College of New Jersey, <i>Princeton, N. J.,</i>			Gale, George H. G., <i>West Point, N. Y.,</i>		2
Columbia College, <i>New York City,</i>			Garver, Austin S., 2 card photographs.		
Columbia College Library, <i>New York City,</i>			Gebhard, Arthur H., <i>Elberfeld, Germany,</i>		2
Concord, <i>Mass.,</i> Free Public Library,			General Society of Mechanics and Tradesmen, <i>New York City,</i>		1
Concord, <i>N. H.,</i> Public Library,			Georgetown College, District of Columbia,		1
Connecticut Bureau of Labor Statistics,	1		Goodell, John M.,		8
Connecticut Agricultural Experiment Station, <i>New Haven, Conn.,</i>			Goulding, Alfred,	3	
Coolidge, A. H., <i>Leicester, N. Y.,</i>			1 Grand Army of the Republic, <i>Worcester,</i>	1	
Cornell University, <i>Ithaca, N. Y.,</i>			Grand Rapids, <i>Mich.,</i> Public Library,		1
Corporation of the City of London,	1		Great Yarmouth, <i>England,</i> Free Library,		1
Dana, John A.,			Green, Andrew H., <i>New York City,</i>		1
Dante Society, <i>Cambridge,</i>			4 Green, James, 4 folded sheets,		8
Davis, A. M. F., <i>Cambridge,</i>			Green, Samuel A., <i>Boston,</i>	1	14
Davis, Charles H.,	2		Green, Mrs. Samuel F.,		1
Davis, Joshua W., <i>Boston,</i> 1 folded sheet,			1 Green, Samuel S., 2 folded sheets,	3	28
Day & Morse,			Greene, J. Evarts,		1
Demarest, David D., <i>New Brunswick, N. Y.,</i>			1 Hall, Edward H., <i>Cambridge,</i>		2
Detroit, <i>Mich.,</i> Public Library,			1 Hammond, B. F.,		1
Dewey Francis H.,	1		Hampton Normal and Agricultural Institute, <i>Hampton, Va.,</i>		1
Dove, P. Edward, <i>London, Eng.,</i>					
Drew, Allis & Co.,	15				

DONORS.	Books.	Pamphlets	DONORS.	Books.	Pamphlets
Harlow, William T.,	1		Ladies' Commission on Sunday		
Harper & Brothers, <i>New York City</i> ,			School Books,	1	
Harrison, J. B., <i>Philadelphia, Pa.</i> ,	1		1 Lancaster, <i>Mass.</i> , Public Library,	1	
Hartford Library Association,			Lawrence Free Public Library,	1	
<i>Hartford, Conn.</i> ,			Leavitt, George A. & Co., <i>New York City</i> ,	1	
Hartford Steam Boiler Inspection and Insurance Co.,	1		5 Leeds, <i>England</i> , Free Public Library and Museum,	1	
Harvard University, <i>Cambridge</i> ,	1		Leicester Academy,	1	
Hawley, Goodrich & Co., <i>Hartford, Conn.</i> ,	1		3 Leicester Public Library,	1	
Heinzle, F., <i>Woodstock College, Md.</i> ,			Leominster, Town of,	1	
Heywood, John H., <i>Melrose</i> ,			1 Library Company, <i>Philadelphia, Pa.</i> ,	1	
Hickcox, John H., <i>Washington, D. C.</i> ,			1 Lincoln, Edward Winslow,	1	
Highland Military Academy,			2 Liverpool, <i>England</i> , Free Public Library,	3	
<i>Worcester</i> ,			1 Lynn Public Library,	1	
Historical and Philosophical Society of Ohio,			Maimonides Library, <i>New York City</i> ,	1	
Hoar, George F., <i>U. S. S.</i> , 2 folded sheets,	10		1 Malden Public Library,	1	
Holmes, Howard M., <i>Lansing, Mich.</i> ,			1 Manchester, <i>England</i> , City of,	1	
Home Knowledge Association,			Manchester, <i>N. H.</i> , City Library,	1	
<i>New York City</i> ,			9 Manufacturers' Record Co., <i>Baltimore, Md.</i> ,	1	
Hopedale Public Library,			1 Marble, Albert P.,	2	
Howe, Archibald M., <i>Boston</i> ,	1		Mason, Joseph,	35	25
Howland, Henry J.,			1 Massachusetts, Board of Lunacy and Charity,	1	
Howland, Joseph,	3		1 Secretary of the Commonwealth,	18	
Huntington, William R., <i>New York City</i> ,			State Library,	8	
Indian Rights Association, <i>Philadelphia, Pa.</i> , 16 photographs.			State Lunatic Hospital, <i>Northampton</i> ,	1	
Indianapolis Public Library,			State Lunatic Hospital, <i>Worcester</i> ,	1	
Jewett, John Howard, 1 newspaper.			1 State Normal School, <i>Worcester</i> ,	1	
Johns Hopkins University, <i>Baltimore, Md.</i> ,			Massachusetts Emergency and Hygiene Association,	1	
Johnson, Robert H., 2 folded sheets.			9 Massachusetts Institute of Technology,	3	
Kansas State Board of Agriculture,	1		Massachusetts Lord Acoustic Telephone Company,	1	
Kansas State Historical Society,			Mathews, Robert, <i>Rochester, N. Y.</i> ,	1	
<i>Topeka, Kan.</i> ,			1 Maverick National Bank, <i>Boston</i> ,	1	
Kelly, H. A.,			1 May, Samuel, <i>Leicester</i> ,	1	15
Kerr, Charles H. & Co., <i>Chicago, Ill.</i> ,			Mears, David O.,	4	
Kimball, F. E.,	1		1 Mechanics' Institute of San Francisco,	2	
Kingsbury, Frederick J., <i>Waterbury, Conn.</i> ,			Mercantile Library, <i>New York City</i> ,	2	
Knudsen, C. W., <i>South Norwalk, Conn.</i> ,	1		Mercantile Library Association,	1	
			<i>New York City</i> ,		

DONORS.	Books.	Pamphlets.	DONORS.	Books.	Pamphlets.
Mercantile Library Association, <i>San Francisco, Cal.</i> ,			Omaha, <i>Neb.</i> , Public Library,		1
Mercantile Library Company, <i>Philadelphia, Pa.</i> ,			1 Oswell, O. N., <i>Cambridge</i> ,		1
Mercantile Library of Phila- delphia,			1 Paterson, N. J., Free Public Library,		1
Michigan, State Board of Health,			4 Pawtucket, <i>R. I.</i> , Free Public Library,		1
Middlesex Mechanics' Associa- tion, <i>Lowell</i> ,			1 Peabody Institute, <i>Danvers</i> ,		1
Milwaukee, <i>Wis.</i> , Public Li- brary,			1 Peabody Museum of American Archæology and Ethnolo- gy, <i>Cambridge</i> ,		2
Minnesota Historical Society, <i>St. Paul, Minn.</i> ,			5 Perkins, Frederic B., <i>San Fran- cisco, Cal.</i> , 1 newspaper,		1
Missouri, Commissioner Labor Statistics and Inspection,	1		1 Perkins Institution and Massa- chusetts School for the Blind,	59	
Mitchell Library, <i>Glasgow, Scot- land</i> ,			Perry, Amos, <i>Providence, R. I.</i> ,		2
Moore, George H., <i>Boston</i> ,			1 Peterson, Ellis, <i>Boston</i> ,	1	
Morse Institute, <i>Natick</i> ,			1 Phillips Exeter Academy, <i>Ex- eter, N. H.</i> ,		1
Museum of Comparative Zo- ölogy, through Alexander Agassiz, <i>Cambridge</i> ,			1 Pickering, John, Family of the late,	1	
National Association of Wool Manufacturers, <i>Boston</i> ,	1		8 Plymouth, <i>England</i> , Free Pub- lic Library,		1
National Council of the Congre- gational Churches, Secre- tary of,	2		Pott, James & Co., <i>New York City</i> ,	1	
National Prison Association of the United States,	1		Pratt, Charles, <i>New York City</i> ,	1	
Nevins Memorial Library, <i>Methuen</i> ,	2		Providence Athenæum, <i>Provi- dence, R. I.</i> ,	1	
New Bedford Free Public Li- brary,			Providence Public Library,	3	
New Haven Free Public Li- brary,			Providence & Worcester Rail- road Co.,	1	
New York, Commissioners of the State Reservation at Niagara,			Putnam, F. W., <i>Cambridge</i> ,	1	
New York, State Library,	5		1 Redwood Library and Athe- næum, <i>Newport, R. I.</i> ,	1	
New York Free Circulating Li- brary, <i>New York City</i> ,			2 Reynolds Library. <i>Rochester, N. Y.</i> ,	1	
Newport Historical Society, <i>Newport, R. I.</i> ,			Rice, Franklin P.,	1	
Newton Free Library,			2 Rice, W. W., <i>M. C.</i>	2	
North Brookfield Free Public Library,			Richmond, <i>Surrey</i> . Free Public Library,	1	
North Brookfield, Town Histo- ry Committee,	1		1 Royal Society of Canada, <i>Mon- treal, Canada</i> ,	1	
Northboro Free Library,			2 Russell, A. U., <i>Lancaster</i> ,	1	
Norwegian Society, <i>Worcester</i> ,	65		1 St. Louis, <i>Mo.</i> , Public Library,	8	
Norwich Free Academy, <i>Nor- wich, Conn.</i> ,	1		St. Paul Chamber of Commerce,	1	
Omaha Board of Trade, <i>Omaha, Neb.</i> ,		2	2 St. Paul, <i>Minn.</i> , Public Library,	2	
			St. Paul, Minneapolis & Mani- toba Railway Company,	1	
			1 Salisbury, Stephen,	1	
			Samuel, L., <i>Portland, Oregon</i> ,	1	
			Sawin, James M., <i>Providence, R. I.</i> ,	1	
			Sawyer Free Library, <i>Gloucester</i> ,	1	

DONORS.	Books.	Pamphlets	DONORS.	Books.	Pamphlets
Schoolmasters' Club of Worcester,	1	1	Uxbridge Free Public Library,		1
Sheffield Scientific School of Yale College, <i>New Haven, Conn.</i> ,		1	Ward's Natural Science Establishment, <i>Rochester, N. Y.</i> ,		12
Silas Bronson Library, <i>Waterbury, Conn.</i> ,		1	Ware, William R., <i>Boston</i> ,		1
Simms, Joseph, <i>New York City</i> ,	1	1	Ware Brothers, <i>Philadelphia, Pa.</i> ,		1
Smith, Henry M.,		4	Watertown Free Public Library,		1
Smithsonian Institution, <i>Washington, D. C.</i> ,	5	1	Wayland, Francis, <i>New Haven, Conn.</i> ,		3
Southbridge Town Officers,		1	Welsh, Herbert, <i>Philadelphia, Pa.</i> ,		1
Southworth, George C. S., <i>Gambier, Ohio</i> ,	1	1	Wesby, J. S. & Sons,		1
Spelling Reform Association, <i>New York City</i> ,		1	Wharton, Francis, <i>Washington, D. C.</i> ,	3	
Sprague, Homer B., <i>San Francisco, Cal.</i> ,		1	Willis, Henry, <i>Worcester, Eng.</i> ,		1
Springfield City Library Association,		1	1 newspaper.		
Stevens, B. F., <i>London, Eng.</i> ,		1	Winslow, John, <i>Brooklyn, N. Y.</i> , 1 sheet,		1
Stimson, Henry A., <i>St. Louis, Mo.</i> ,		1	Winsor, Justin, <i>Cambridge</i> ,		3
Stone, J. B., <i>Boonton, N. J.</i> ,	1	1	Woburn, Public Library,		1
Sturgis, Mrs. Henry, <i>Boston</i> , 1 folded sheet.		1	Wood, Mrs. Sarah B., <i>Chicago, Ill.</i> ,		1
Sutro, Theodore, <i>New York City</i> ,	1	1	Worcester (<i>Eng.</i>) Herald, Publishers of, 1 newspaper.		
Swansea, <i>Wales</i> , Public Library,		2	Worcester, City Council,	1	
Taunton, Public Library,		1	City Engineer,		1
Tedder, Henry R., <i>London, Eng.</i> ,		1	City Hospital,		1
Thayer, Eli, 1 sheet.		1	Superintendent of Schools,		1
Thayer Academy, <i>Braintree</i> ,		1	Worcester Academy,		1
Thompson, Eben Francis,		1	Worcester County Horticultural Society,	1	2
Tilley, R. H., <i>Newport, R. I.</i> ,		1	Worcester County Musical Association,	1	1
Toledo, <i>Ohio</i> , Public Library,		1	Worcester District Medical Society,	3	5
Toronto Public Library, <i>Toronto, Canada</i> ,		1	Worcester Fire Society,		1
Trübner & Co., <i>London, Eng.</i> ,	2	1	Worcester Polytechnic Institute,		1
United States, Bureau of Education,		2	Worcester Society of Antiquity,		3
Department of State,	1	26	Yale University, <i>New Haven, Conn.</i> ,		2
Department of War, 14 maps,	3	7	Yale University Library, <i>New Haven, Conn.</i> ,	1	
Department of the Interior,	99	1	Young Men's Christian Association, <i>Meriden, Conn.</i> ,	1	
Department of the Navy,	2	1	Young Men's Christian Association, <i>New York City</i> ,		1
Department of the Treasury, 3 circulars,	4	1	Young Men's Library Association, <i>Cincinnati, O.</i>		1
Library of Congress,	1				
Life Saving Service,	1				
Naval Academy,					
Ordnance Department,	1				
University of California, <i>Berkeley, Cal.</i> ,		1		438	574

R E P O R T
OF THE
COMMITTEE ON THE LIBRARY.

To the Board of Directors of the Free Public Library:

The Library Committee has met once a month during the past year and at its meetings has attended to the business which it is usually called upon to transact.

It is unnecessary, however, to give here a detailed account of the work done by the Committee as that has been fully described in the exhaustive report of the Librarian.

The Committee requests the City Government to make an appropriation for buying books for the use of teachers, scholars and other residents of Worcester, the coming year similar in amount to the sum spent last year.

In the last report the Committee stated that there was an imperative need of additional accommodations. The statement should now be emphasized that provision for the growth of the library and its other pressing needs ought to be made without any further delay.

JONAS G. CLARK.
JAMES E. ESTABROOK.
F. A. GASKILL.
E. H. RUSSELL.

REPORT

OF THE

COMMITTEE ON THE READING-ROOM.

To the Board of Directors of the Free Public Library:

The Committee on the Reading-room is impressed by the convictions that much more room in the aggregate is needed by persons who frequent the upper reading-room, and that it is very important that such accommodations should be provided here as will allow of the classification of readers and of bringing together in separate rooms of persons of similar age and purposes.

When added space is provided great care should be taken to have the new rooms well lighted and ventilated, and so finished and furnished as to make them pleasant to sit in. It has been the aim of the Committee during the last year, as always, to supply the wants of citizens as well as the funds at its disposal and the circumscribed nature of the upper reading-room would allow.

Added to this report is a list of gifts and the Committee gratefully acknowledges the kindness of its friends which it shows; there have been during the year continued and fresh manifestations of that kindness.

GEORGE SWAN,	}	<i>Committee on Reading-room.</i>
JOHN O. MARBLE,		
M. H. HARRIS,		

PERIODICALS AND PAPERS ADDED TO OUR LIST DURING THE YEAR.

Amateur photographer, The.	Railroad and engineering journal, The.
Harvard monthly, The.	Scottish review, The.
† Musical items.	Scribner's magazine.
Philatelic journal of America, The.	Weekly bulletin (San Francisco).

PERIODICALS DISCONTINUED DURING THE YEAR.

† British quarterly review.	† Van Nostrand's eclectic engineering magazine.
† Engineering Era.	Weekly alta, California.
† State, The.	

GIFTS TO THE READING-ROOM.

American, The,	Publishers.
American gas light journal,	G. Warren Dresser, Editor.
American missionary, The,	American Missionary Association.
Amerikanische Turnzeitung,	Publishers.
American machinist,	Proprietors of the Spy.
Audubon magazine, The,	P. W. S. Canfield.
Baptist missionary magazine,	F. A. Gaskill.
Berrow's Worcester journal,	Charles H. Birbeck.
Bulletin of the National Association of Wool Manufacturers,	Association.
Christian leader, The,	Universalist Publishing House.
Christian register, The,	American Unitarian Association.
Churchman, The,	Jessie E. Tyler.
* Congregationalist, The,	Henry A. Stimson.
Congressional record,	W. W. Rice.
Le Courier de Worcester,	Publishers.
Donahoe's magazine,	Thomas J. Conaty.
Engineering,	Publishers.
Evesham journal,	Publishers.
Fitchburg weekly sentinel,	Sentinel Printing Co.
Home missionary, The,	Publishers.
Journal of American orthoepy, The,	Publishers.
* Lend a hand,	Stephen Salisbury.
Locomotive, The,	J. L. Smith,
Maine farmer,	Proprietors of the Spy.
Massachusetts ploughman,	Proprietors of the Spy.
Messenger, The,	Publishers.
Mid-Weekly, The,	Jessie E. Tyler.
* Million, The,	Anonymous.
Missionary herald, The,	Publishers.
Musical herald,	Publishers.
Musical times,	Publishers.
New England farmer,	Proprietors of the Spy.

New England Staaten Zeitung,
 Official gazette of the U. S. Patent
 Office,
 Open court, The,
 Our dumb animals,
 *Philanthropist, The,
 Public ledger,
 Signs of the times, The,
 Southern workman, The,
 Sunday herald, The,
 Le Travailleur,
 Tuftonian, The,
 *Union signal, The,
 Unitarian review, The,
 Unity,
 Universalist quarterly,
 Voice, The,
 Watchman, The,
 Woman's journal, The,
 Worcester daily spy,
 Worcester daily times,
 Worcester evening gazette,
 World's crisis, The,
 Zion's herald,

*Discontinued.

Publishers.
 U. S. Patent Office.
 S. S. Green.
 Publishers.
 Mrs. E. E. Foster.
 George W. Childs, Proprietor.
 Eliza Thayer.
 Mrs. P. S. L. Canfield.
 Anonymous.
 Publishers.
 Tufts College.
 James A. Norcross.
 American Unitarian Association.
 Anonymous.
 S. D. Harding.
 Funk & Wagnalls.
 Publishers.
 Joseph A. Howland.
 Publishers.
 Publishers.
 Publishers.
 Publishers.
 Anonymous.

†Publication stopped.

REPORT

OF THE

COMMITTEE ON THE BUILDING.

To the Board of Directors of the Free Public Library :

The Committee on the Building submits the following report.

The foundation timbers of the building have been carefully examined and many of them have been replaced.

A girder, supported by pillars from the basement, has been thrown across the ceiling of the Medical Library-room from north to south in order to support the weight of books which it has been necessary to place in the French roof.

The sum of \$185 has been spent in repairing the elevator. New radiators have been placed in the Green Library-room and one new radiator has been put in the working room of the Librarian.

A new room has been fitted up in the basement. After this room shall have been filled there will be no more room left in the building for the storage of the books bought for the Circulating Department of the library.

This and other weighty reasons make it evident that immediate attention should be given to the petition presented last year to the city government for the purchase of land and the putting up of a new building.

An item of \$175 has been put into the estimates for the coming year for the purpose of having the Otis Governor attached to the elevator.

It is estimated that \$500 is the smallest amount which can properly be asked for to meet the expenses of probable repairs and purchases of furniture and furnishings the coming year.

Sums have been put into the estimates to cover the ordinary expense for light, fuel and water.

THOMAS GRIFFIN.
H. H. MERRIAM.

REPORT

OF THE

COMMITTEE ON FINANCE.

To the Directors of the Free Public Library:—

The Finance Committee herewith submits statements respecting the City appropriation and the Green Library Fund, covering the year ending November 30, 1887.

It appears that the present amount of the Green Library Fund is \$42,531.76, an increase over the previous year of \$519.76.

The bequest of Dr. Green was \$30,000. This amount has been kept carefully invested, and in accordance with the testator's will a quarter of the income of the fund has been every year added to the principal and also conservatively invested. It is mainly through the increase provided for as thus stated, that the fund has grown since Dr. Green's death by the amount of \$12,531.76.

The amount of the City appropriation last year was \$15,000; of the dog license money, \$3,961.16; and of the money received from fines, the sale of books, catalogues, etc., \$894.88. The total receipts for the year were thus \$19,856.04. The expenditures, as appears from the detailed report of them, were in the whole amount \$19,853.14, and \$2.90 has been carried to the Sinking Fund.

The expenditures were wisely made.

The Committee herewith presents for your consideration its estimates of the sums of money that will be needed to meet the necessary expenditures of the coming year.

It is made the duty of this committee to keep the books, furniture and building insured, as prescribed in the City ordinance; \$298.75 has been spent for this purpose the present year, and \$96 will have to be paid out for insurance the coming year.

The Committee has made a careful examination of the securities in which the Green Library Fund is invested. These are in the hands of the City Treasurer, William S. Barton, Esq. It has also examined Mr. Barton's accounts of receipts and disbursements, and has found them to be correct. It has examined the account of the Librarian and found it to be accurate.

The Finance Committee is convinced that the reasonable demands of the citizens of Worcester cannot be properly attended to without the immediate purchase of a lot and the erection of a new building.

The late Judge Dewey, who at the time of his death was chairman of this Committee, examined, with another member of the Committee, the securities and accounts presented to the Committee for examination by the City Treasurer.

It was a very noticeable trait in Mr. Dewey that, while he was capable of managing the most important trusts and was a man of great mental capacity, he never neglected minor obligations. He always kept in memory all the duties that should fall to him to perform, prepared for their performance and attended to them when the time came to attend to them; doing the work devolving on him thoroughly, and never leaving any part of it undone.

As a member of this Committee, as well as in other positions, he was always punctual at meetings and quick, capable and sagacious in the discharge of the duties which membership in the Committee entailed upon him.

His loss is keenly felt here, as it is in every institution with which he has been connected.

JONAS G. CLARK.
A. G. BULLOCK.

CITY APPROPRIATION.

Financial Statement for the Year ending Nov. 30, 1887.

RESOURCES.

City appropriation,	\$15,000 00
Dog money,	3,961 16
Fines, sale of books, catalogues, etc.,	894 88
	<hr/>
	\$19,856 04

EXPENDITURES.

Binding,	\$981 85
Printing lists of additions,	163 59
Other printing and charging slips,	97 70
Freight, postage stamps, expressage and minor running expenses,	343 94
Paper for covering books and stationery,	143 21
Postal cards for notices to delinquents,	65 00
Cards for cataloguing,	25 35
Repairs, furniture, brushes, etc.,	1,644 49
Coal and wood,	305 18
Gas,	763 83
Water,	124 64
Salaries of assistants,	3,158 50
Salary of librarian,	2,958 33
Wages of janitor and messenger,	750 10
Additional library service,	1,392 94
Cataloguing,	6 00
Insurance,	298 75
Books for school purposes,	1,500 00
Other books,	4,629 74
Papers and periodicals (in addition to the amount of money spent from the income of the Reading-room fund),	500 00
	<hr/>
	\$19,853 14
Balance to Sinking Fund,	2 90
	<hr/>
	\$19,856 04

JONAS G. CLARK.
A. G. BULLOCK.

STATEMENT OF THE GREEN LIBRARY FUND.

Nov. 30, 1887.

The income for the year ending November 30, 1887, is as follows :

Interest on notes secured by mortgage,	\$1,156 07	
Dividends on bank stock,	394 50	
Dividends on Savings Bank deposits,	473 04	
Interest on bank deposits,	8 13	
Bank tax, refunded by Commissioner,	47 32	
		<hr/>
		\$2,079 06
Of this income, there has been added to the fund one-fourth part, viz.,	\$ 519 76	
And to the book account three-fourths, viz.,	1,559 30	
		<hr/>
		\$2,079 06

The following statements show the condition of the Investment and Book accounts as verified by the books and securities in the hands of the City Treasurer :

INVESTMENT ACCOUNT, VIZ. :

	Nov. 30, 1886.	Nov. 30, 1887.
Notes secured by mortgages,	\$22,751 00	\$23,251 00
Bank stock, par value,	7,300 00	7,300 00
Savings Bank deposits,	11,961 00	11,980 76
	<hr/>	<hr/>
Total,	\$42,012 00	\$42,531 76

BOOK ACCOUNT, VIZ. :

Balance, December 1, 1886,	\$1,609 24	
Three-fourths of annual income of fund,	1,559 30	
Interest on bank deposits,	22 96	
	<hr/>	
Total,		\$3,191 50
Expended for books during the year,		1,945 97
		<hr/>
Balance, November 30, 1887,		\$1,245 53

RECAPITULATION.

	Nov. 30, 1886.	Nov. 30, 1887.
Investment balances,	\$42,012 00	\$42 531 76
Book account balances,	1,609 24	1,245 53
	<hr/>	<hr/>
	\$43,621 24	\$43,777 29

JONAS G. CLARK.
A. G. BULLOCK.

REPORT OF THE TREASURER

OF THE

READING-ROOM FUND.

JAMES E. ESTABROOK, Treasurer, in account with the Reading-room Fund of the Free Public Library :—

DR.

Dec. 1, 1887.	Balance in Treasurer's hands, 1886,	\$ 69 91
	Money received from City,	500 00
	Interest money in Savings Banks,	348 24
	“ “ on Mortgage notes,	130 00
		<hr/> \$1,048 15

CR.

Dec. 1, 1887.	Cash paid out for newspapers and periodicals,	\$835 94
	Cash paid postage and stationery,	2 50
		<hr/> \$838 44
	Balance in Treasurer's hands,	<hr/> \$209 71

The Reading-room Fund is invested as follows :—		
Money in Savings Bank,	\$7,312 65	
“ loaned on Mortgage,	3,500 00	
	<hr/>	
Total amount of fund,		\$10,812 65

Respectfully submitted,

JAMES E. ESTABROOK,
Treasurer.

Examined and approved.

JONAS G. CLARK.
A. G. BULLOCK.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF PUBLIC BUILDINGS.

WORCESTER, Jan. 23, 1888.

To the Honorable City Council :

GENTLEMEN :—In compliance with the City Ordinances, Chapter 48, Section 3, I have the honor to submit the following report of the amount expended for new buildings, land purchased and for the repairs of buildings for the year ending Nov. 30, 1887.

NEW BUILDINGS.

The new Ledge-street School-house, partially finished at the time of my last report, was not completed until April, 1887, and was occupied at the commencement of the Summer term, May 3. It is provided with the Ruttan-Smead Heating and Ventilating System and its operation has thus far given very satisfactory results. The cost of the building has been as follows :—

Amount expended in 1886 :—

For additional land,	\$2,700 00
Upon Building,	10,688 03

\$13,388 03

Amount expended from Nov. 30, 1886,
to Nov. 30, 1887, is as follows :—

Balance of contract, D. W. Haskins,	\$5,392 42
“ “ “ Heating,	416 25

For School desks,	975 95
Teachers' desks and chairs,	130 50
Clocks,	72 00
Bank wall and steps, Water Street,	362 31
Grading lot,	281 60
Castings and labor,	8 72
Brick,	48 75
Coal,	82 64
Freight and cartage of seats,	10 73
Insurance,	68 00
Labor on seats and cleaning,	29 26
Hack for committee,	4 00
	<hr/> \$7,879 13
Making the total cost of land and building,	\$21,287 25
Cost of building exclusive of land,	\$18,562 25

JAMESVILLE SCHOOL-HOUSE.

A new school building, built of wood, containing one large school room with a seating capacity for 70 pupils with large recitation room and ample cloak-rooms, has been built in the village of Jamesville, and was occupied for school purposes September 3, 1887.

The cost has been as follows :—

Amount paid for land,	\$400 00
“ “ “ Contract for building;	2,535 00
For School desks,	181 15
Grading,	145 10
Fencing lot,	365 40
Plans and specifications,	63 87
Engineering and advertising,	24 05
Insurance,	29 25
Hack for committee,	4 00
	<hr/>
Total cost of land and building,	\$3,747 82
“ “ “ building exclusive of land,	\$3,347 82

ADAMS SQUARE SCHOOL-HOUSE.

The Adams Square school-house, built of brick with brown-stone trimmings, contains four school-rooms, each 25x36, all having a southern exposure and provided with ample cloak-rooms. The building is heated and ventilated with the Ruttan-Smead system, and provided with the Smead dry closet system.

The excavations for foundations and grading were found to be much more difficult and expensive than was expected, and has added materially to the cost of the building.

The amount of the contract for the building was \$9,493.00, the City furnishing the brick, doing the excavating, putting in the foundations, and doing the grading. The amount expended to date has been as follows :—

For Engineering,	\$28 93
Advertising,	18 75
Plans,	305 00
Excavating,	1,672 96
Stone foundations,	546 28
Bricks, 165,800 @ \$8,	1,326 40
Cleaning old brick, 40,000,	60 51
Hack for Committee,	2 00
Amount paid on contract,	6,734 80
Grading,	443 70
Laying bank wall,	56 97
Powder,	10 80
Trucking,	8 90
Amount paid on contract for heating,	750 00
Insurance,	94 50
Clocks,	20 00
Freight and cartage,	33 81
	<hr/>
	\$12,114 31

NEW BARN—WATER DEPARTMENT.

A new brick barn has been built in the yard of the Water Department, Thomas street, with stalls for five horses, and box stall, harness room, carriage room, hay loft, etc.

The expense has been as follows :—

For Stone foundations,	\$319 78
84,800 brick @ 8.00,	676 00
Laying brick,	486 64
Stone thresholds and window sills,	98 00
Lumber,	446 33
Window frames and sash, door frames, and doors,	144 55
Gravel roof,	92 85
Galvanized Iron Company, gutters and conductors,	40 97
Railroad iron, angle iron, and truss rods,	17 04
Iron mangers and slate gutters,	19 45
Hardware,	42 24
Painting,	86 09
Carpenters' labor,	235 95
<hr/>	
Total,	\$2,705 99
Building shed in yard, Thomas street, 100x27 feet,	480 52
Repairs of barn and house, Chamberlain Farm, Holden,	439 51

FREE PUBLIC LIBRARY.

New floors have been put in a part of the basement of Library building, and all the available room fitted up with book-cases and shelves for books. The upper story floor, French-roof, has been strengthened by hard pine girders, supported by columns commencing in basement and continued to upper story. The outside of the building has been painted, new steam radiators have been put in the Green Library, and the elevator repaired.

The expense has been :—

For Carpenters' labor and lumber,	\$628 94
Mason work and stock,	71 40
Painting,	209 52
Repairs of elevator,	192 09

For Whitening,	5 00	
New radiators, and repairs,	243 00	
Miscellaneous repairs,	23 00	
	<hr/>	
Total,		\$1,372 95

CITY HOSPITAL ADDITION.

The new addition to the kitchen wing at City Hospital has progressed as fast as could be reasonably expected, considering the time when commenced. The amount expended to date, Nov. 30, 1887, has been

For Advertising,	\$23 10	
Putting up batters,	4 61	
Excavation, Highway Department,	500 80	
Moving back bank wall and relaying the		
same,	401 61	
Stone foundations,	685 76	
Cinders and labor,	80 98	
Amount paid on contract,	1,687 31	
	<hr/>	
Total,		\$3,677 18

NEW KNOWLES WARD.

This ward, in process of construction, is built under the direction of the Trustees of the City Hospital, and at their request under my superintendence.

There has been expended to date, on contract,	\$9,553 60	
For Advertising and engineering,	34 00	
Plans,	200 00	
Alteration of steam pipes,	325 51	
" ventilating pipes,	348 40	
Mason repairs,	145 25	
	<hr/>	
Total,		\$10,606 76

FIRE DEPARTMENT BUILDINGS.

The several Engine and Hose houses are in good condition, the principal wants being the rebuilding of the retaining wall in the rear of the John-street house, new fences around the lot of Hose 7, Lamartine street, and the lot of Hose 3, Cambridge street, with the usual amount of painting. There has been expended under my superintendence the following items :—

For Grading Woodland street,	\$3 80	
Gutters and conductors,	56 98	
One-half cost of bank wall and fence.	71 18	
New doors and frames, Hose 4,	83 32	
New gutter and repair of slate, Hose 1,	85 10	
		<hr/>
		\$300 38
And by direction of Chief Engineer Combs the sum of	481 34	
		<hr/>
Total,		\$781 72

HIGHWAY DEPARTMENT.

The City stables, sheds, grain-house, shop and store-house are in good repair.

There has been expended outside of work done by the Department, \$19.77.

CITY HALL.

The amount expended for repairs, fuel, gas, etc., for City Hall, has been :—

For Janitor and Engineer,	\$600 00
Watchman,	600 00
Fuel,	455 35
Gas,	318 63
Electric light, Council Chambers, Ante-rooms and Mayor's office,	126 00
Painting outside of Building,	163 75
Repairs on Building,	367 84
New Furniture and repairs of same,	185 31
Removing snow and ashes,	86 24
Mats, brushes, brooms and ice,	102 95
Telephone,	40 00

Clock Tower and Clock:—E. Howard Watch and	
Clock Co. Illuminated dials, and putting	
up, with automatic apparatus for lighting,	\$525 00
Carpenter's stock and labor,	296 74
Slate, and repairs of slating,	73 89
Clock-weights and trucking,	13 58
Gas piping and fixtures,	29 50
	<hr/>
	\$3,984 78
Cost of Tower and Clock complete, \$938.71.	
Revenue,	\$2,501 50
	<hr/>
Total, less Revenue,	\$1,483 28

POLICE BUILDINGS.

Station No. 1 is in good condition, and the repairs needed are repair of gutters, relaying sidewalks, and the covering of the steam pipes in the basement which pass through Ward 3 ward-room.

Station No. 2 is in good repair. New closets have been put in at a cost of \$54.68, and there has been expended:—

For other repairs of all kinds,	\$394 94
	<hr/>
Making a total of	\$449 52

WARD 5—NEW STAIRWAY.

By order of the City Council an iron outside stairway to the second story, and a flight of wooden stairs upon the inside, to the Ward 5 ward-room, have been constructed, at the following cost:—

C. A. Vaughan, for inside Stairs,	\$144 93
H. C. Fish, outside iron Stairs,	145 00
A. G. Estabrook, painting,	31 74
	<hr/>
Total,	\$321 67

ARMORIES.

The Amount expended for rent of Armories for Companies A and C, 2d Reg't Infantry, one year, and for Co. G, 9th Infantry, from May 1st to January 1st, 1888, Battery B, 1st Lt. Artillery, for one year to January 1st, 1888, has been,		\$2,240 50
For Coal and wood,		119 80
Gas,		175 00
Fixtures, Co. G, 9th Infantry, and repairs of furniture,		554 00
Rent of Rifle-range,		100 00
Total,		<hr/> \$3,189 30
Amount allowed by the Commonwealth for rent of Armories,		1,200 00
Net expense to City,		<hr/> \$1,989 30

PAUPER DEPARTMENT.

The several buildings at the City Farm are all in good condition and repair, and to keep them in good condition requires that a certain amount of repairing should be done each year.

The amount expended for repairs of Buildings has been,		\$2,813 59
Repairs of Piggery,		381 46
		<hr/> \$3,195 05

SCHOOL-HOUSES.

The number of school-houses remains the same as last year; one added at Jamesville and one being sold at East Worcester, making the total number forty-nine. The most extensive repairs during the year have been upon the Dix-street school-house, which has been furnished with the Smead and Northcott heating and ventilating system and the J. D. Smead dry closets, and the whole building thoroughly put in repair. The cost of

heating and ventilating, and dry closet systems, and work connected with the same, has been \$5,098.49, as follows:—

S. & N. heating and ventilating contract,	\$2,518 20
S., two urinals,	41 81
Brick work and plastering,	1,763 95
Carpenters' stock and labor, dry closets,	213 10
“ “ “ “ heating,	388 64
Laborers,	87 09
Concreting,	85 70
<hr/>	
Making the total cost of heating apparatus and dry closet system,	\$5,098 49

Other repairs:—

Putting in new windows in roof,	\$750 00
Slating roof and tinning gutters,	537 23
For Painting outside and inside,	407 58
“ Blackboards,	150 77
“ Plumbing,	110 92
“ Sewers,	136 95
“ Whitening and kalsomining,	92 00
“ Paving gutters, yard,	101 00
“ Grading yard, carting away rubbish, etc.,	105 12
“ Cutting in windows, basement,	14 70
“ Putting in gas-pipe,	25 75
“ Iron work,	26 23
“ Repair of tin, piazza roof.	17 42
“ Hack hire,	2 50
“ Painting fence,	3 75
<hr/>	
Total,	\$7,580 41

The total cost of the ordinary repairs] of all the school-houses, has been

Repair of Stoves and furnaces,	\$7,454 83
“ “ Steam heating apparatus,	1,349 29
“ “ Furniture,	206 05
<hr/>	
Total,	1,026 19
<hr/>	
Total,	\$10,036 36
Less revenue,	50 16
<hr/>	
	\$9,986 20

Permanent repairs of school-houses :—

New Furniture,	\$679 65
“ Windows, Belmont street,	184 67

Care of school buildings and fuel :—

Coal and wood,	\$10,124 94
Janitors,	9,533 36
Cleaning houses,	816 56
“ yards,	928 16
“ vaults,	60 60
Mats, brushes, brooms, pails, etc.,	673 13
Insurance,	900 00
City water,	979 89
Gas,	339 96
Rent of office, Superintendent of Schools,	1,000 00
Rent of telephone,	40 00
	<hr/>
	\$25,384 11

EVENING SCHOOLS.

Janitors,	\$197 00
Gas,	99 60
Oil lamps, etc.,	11 25
Repairs,	208 58
“ of furniture,	10 13
New furniture,	4 00
	<hr/>
	\$530 56

MATERIALS SOLD.

Old iron, City Hall,	\$1 50
Old materials sold, School Department,	69 66
Old settees sold,	7 50
	<hr/>
	\$78 66

Stock on hand at shop, 36 School street, lumber, glass, hardware, paint stock, etc.,	\$495 80
---	----------

Respectfully submitted.

CHAS. H. PECK,

Superintendent.

T A B L E
SHOWING THE LOCATION, SIZE AND VALUE OF THE SCHOOL-HOUSES AND SCHOOL-HOUSE LOTS BELONGING TO THE SCHOOL DEPARTMENT.

LOCATION.	Material.	Stories.	Size.	No. of School Rooms.	Condition.	Estimated Value.	Size of Lots, sq. feet.	Estimated Value per Foot.	Amount.	Total Value of Houses and Lots.	REMARKS.
High	Brick.	3	130 x 87	16	Good.	\$95,000	31,672	\$1.30	\$11,173	\$106,173	[in 1881, 58 x 68, for six school-rooms.
Belmont Street	"	3	96 x 80	11	Good.	25,000	31,446	.25	7,860	32,800	Ward 2 ward-room in basement. Addition built
Dix Street	"	2	96 x 60	11	"	30,000	24,000	.25	6,000	36,000	Hall in French roof and three school-rooms.
W. 1st Street	"	2	75 x 43	4	"	13,400	30,000	.25	2,400	15,800	L 66 x 51.
W. 2nd Street	"	2	107 x 53	10	"	29,000	25,000	.80	5,001	34,001	
Chandler Street	"	2	94 x 94	10	"	26,500	24,858	.25	8,715	35,215	
Woodland Street	"	2	96 x 60	11	"	10,000	40,000	.25	10,000	38,000	
Washington Street	"	2	69 x 41	4	"	5,500	7,188	.60	4,313	9,813	
Ledge Street	"	2	96 x 60	15	"	30,000	40,670	.20	8,134	38,134	Hall in French roof and three school-rooms, and
Millbury Street	"	2	78 x 62	9	"	24,000	52,664	.10	5,266	29,266	Ward 4 ward-room in basement.
Millbury Street	"	2	75 x 43	4	"	12,000	7,000	.80	1,560	12,560	
Thomas Street	"	3	75 x 43	12	"	33,000	23,433	.60	14,060	47,000	
Edgeworth Street	"	2	62 x 50	9	"	22,000	30,760	.50	1,538	23,538	
Walnut Street	"	3	70 x 50	7	"	20,000	9,487	1.30	12,353	32,353	
Oxford Street	"	3	75 x 50	10	"	20,000	17,200	1.25	21,500	51,500	Addition built in 1880, 38x34 8, for 3 school-rooms.
Freeland Street	"	3	75 x 52	8	"	20,000	12,625	.75	3,468	23,468	W. 1 w'd-rm & r'ns for eve drawing s'll in this bldg.
New Worcester	"	2	60 x 32	9	"	24,000	23,816	.12 1/2	27,750	51,750	Ad'n b't in '80, 46.6x36.6 for self-r'ns. W. 8 w'd-
Quinsigance Street	"	2	75 x 36	9	"	20,000	14,900	.12 1/2	9,235	11,235	Two L's.
Providence Street	"	4	75 x 32	8	"	18,000	29,184	.09	2,918	22,918	
Gage Street	"	4	62 x 50	8	"	18,000	34,500	.50	1,725	21,725	L 40 x 33 and three school-rooms in French roof.
East Worcester	"	2	94 x 94	10	"	27,100	36,527	.15	5,479	32,579	L 51 x 38.
Lamarine Street	"	2	52 x 30	4	"	5,000	9,060	.50	4,530	9,530	
Adriatic	"	3	62 x 51	12	"	27,000	48,040	.20	9,608	36,608	
Ash Street	Wood.	2	45 x 30	3	Fair.	3,000	25,000	.10	2,500	17,500	
Grafton Street	Brick.	3	59 x 51	6	Good.	13,500	13,400	.30	4,020	17,520	
Grafton Street	Wood.	2	64 x 52	4	Fair.	15,000	24,897	.15	3,704	18,704	
Summer Street	Brick.	2	51 x 48	5	Poor.	2,000	16,083	.40	6,493	9,493	
Union Hill	Wood.	2	62 x 28	4	Good.	12,000	12,555	.40	5,022	17,022	
Nelson Street	Brick.	2	50 x 30	2	Fair.	2,000	11,000	.10	1,100	7,100	
North	"	2	73 x 30	2	Good.	2,500	34,370	.13	1,400	6,000	
Traybridgeville	Wood.	1	43 x 32	2	"	5,000	11,500	.300	300	5,300	
Blithewood	Brick.	1	36 x 28	1	Old.	1,500	5,050	.75	375	1,875	
Bloomington	"	1	40 x 32	1	Old.	1,200	43,560	.100	100	1,600	
Bloomington	"	1	40 x 32	2	Good.	4,500	14,000	.200	400	4,900	
Burncoat Plah	Wood.	1	31 x 28	1	"	2,800	22,360	.300	300	3,100	
Chamberlain	"	1	38 x 22	1	Fair.	2,500	21,500	.200	200	2,700	
Lake View	"	1	35 x 32	1	"	1,600	20,300	.300	300	1,900	
Valley Falls	Brick.	2	44 x 32	2	Good.	1,200	21,780	.100	1,300	1,300	
Valley Falls	Wood.	1	25 x 22	1	Old.	2,900	15,684	.400	400	3,350	
Grenade	"	1	46 x 32	1	"	6,600	23,440	.100	600	6,700	
Jamesville	"	1	35 x 33	1	Good.	3,500	30,000	.300	300	2,600	
Jamesville	"	1	35 x 30	1	"	2,300	20,000	.400	400	3,700	
Total	49			275		\$764,950	25.42 acres.		\$245,750	\$1,010,650	

HOSE AND ENGINE HOUSES.

HOSE AND ENGINE HOUSES.	No. of feet of Land.	Value of Land.	Value of Buildings.	Total Value of Houses and Land.	REMARKS.
Steamer Governor Lincoln, No. 1, Bigelow Court . .	5,310	\$ 7,965 00	\$ 12,000 00	\$ 19,695 00	
Steamer S. E. Combs, No. 2, Cor. Beacon & Lagrange St.	8,000	2,400 00	5,400 00	7,800 00	
Steamer A. B. Lovell, No. 3, Prescott Street . . . .	. . . . .	. . . . .	10,000 00	10,000 00	On Leased Land.
Hose No. 1, School Street	7,688	3,844 00	4,500 00	8,344 00	
Hose No. 2, Cor. Grafton and Providence Streets . .	. . . . .	. . . . .	4,000 00	4,000 00	On sch'l-house lot.
Hose No. 3, Cambridge Street	6,250	832 00	7,000 00	7,832 00	
Hose No. 4, Exchange Street	500	1,000 00	1,800 00	2,800 00	
Hose No. 5, Myrtle Street	1,374	1,212 30	2,700 00	3,912 00	
Hose No. 6, Cor. Pleasant and Winslow Streets . .	6,106	854 84	8,100 00	8,954 00	
Hose No. 7, Cor. Lamartine and Meade Streets . . .	6,827	1,024 05	5,000 00	6,024 05	
Hose No. 8, Webster Street . . . . .	. . . . .	500 00	. . . . .	500 00	
Hose No. 9, Woodland Street	5,382	1,200 00	5,500 00	6,700 00	
Hook and Ladder, No. 1, Bigelow Court . . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Hook and Ladder, No. 2, Prescott Street . . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Babcock Extinguisher, No. 1, John Street	1,837	918 00	4,000 00	4,918 00	
Bell Tower, Cor. Pleasant and Oxford Streets . . .	. . . . .	. . . . .	2,000 00	2,000 00	On sch'l-house lot.
Thomas Street. Used for storage	7,000	7,000 00	4,500 00	11,500 00	
	56,259	\$28,750 19	\$ 76,500 00	\$105,250 00	

OTHER BUILDINGS.

OTHER BUILDINGS.	No. of feet of Land.	Value of Land.	Value of Buildings.	Total Value of Buildings and Land.	REMARKS.
City Hall, Cor. Main and Front Streets . . . . .	. . . . .	. . . . .	\$ 24,000 00	\$ 24,000 00	
City Hospital, Cor. Jaques Ave. and Queen Street . .	163,836	\$19,660 00	86,000 00	105,660 00	
City Farm, Lincoln Street . . . . .	. . . . .	. . . . .	85,000 00	85,000 00	
City Stables, Salem Street	51,331	16,609 25	10,050 00	26,659 25	
Free Public Library, Elm Street	9,902	19,804 00	28,000 00	47,804 00	
City Water Works Shop and Barn, Thomas Street . .	18,790	23,487 50	8,000 00	31,487 50	
Police St'n, No. 1, & Cent'l Dist. Ct. Bld'g, Waldo St.	7,256	11,754 72	27,000 00	38,754 72	
Police Station, No. 2, Lamartine Street	10,960	1,644 00	12,000 00	13,644 00	Ward 5 Ward-room in this building.
		\$92,959 47	\$276,050 00	\$369,009 47	

ANNUAL REPORT

OF THE

PARKS-COMMISSION.

To the Honorable

CITY COUNCIL :—

The PARKS-COMMISSION herewith submit “An Account of their Receipts and Expenditures for the Public Grounds, and shade trees thereon, and upon the Streets and Highways of Worcester,” for the official year that ended on the Thirtieth day of November, A. D. 1887, as required by the Statutes of the Commonwealth :—

Cr.

Labor, men and teams,	\$4,078 45
Plants, trees, manure, and loam,	2,636 53
Grass seed, and grain for water fowls,	71 08
Blank books, type-writer, stationery, and postage,	124 90
Hardware and tools,	235 26
Carpentry and lumber,	369 84
Advertising, printing reports, &c., Parks police,	59 59
Engineer's Dept., surveys of University and Institute Parks,	107 88
Blacksmithery, and repairs to fountain,	15 26
Stone corners to University and Institute Parks,	168 62
Trucking, and freight on trees, &c.,	19 40
Settees, ladders, &c.,	35 94
Cement, powder and fuse (Lake Park),	153 60
	<hr/> \$8,076 35

Dr.

To Annual Appropriation,	\$8,000 00
Received from “Incidentals” fund, on account of repairs to Bigelow monument,	96 30
	<hr/> \$8,096 30

This statement, agreeing with that of the Auditor, shows a balance unexpended of \$19.95, that was transferred to the Sinking Fund. An exact record, however, would disclose that bills with vouchers in due form, covering Nineteen and $\frac{75}{100}$ dollars, were presented by the *Chairman* of this COMMISSION, and, at first, disallowed. That amount included divers charges for sums actually expended by him to pay Republican vote distributors; and also to defray the cost of printing exhortations to Democrats to "*vote No! and save the Common!*" The Sinking Fund would thus have been richer by Twenty cents only. When the City Solicitor had promptly advised, and the Auditor finally determined that the charge was perfectly legitimate, the *Chairman* had concluded to withdraw the bills. He had not hesitated to act in the emergency; and, if the city had been saved from itself, he was willing to lose the cash and retain the credit.

A "Report of the acts and doings" of the COMMISSION, of the "condition of the Public Grounds, and Shade Trees thereon, and upon the Streets and Highways," exacted by the Statutes; with such further considerations and views as naturally suggest themselves in proper connection; is also submitted in due sequence. A strict compliance with this legal requirement often imposes serious labor upon this COMMISSION; in its turn, demanding some patience from the community. At times it becomes absolutely essential to incorporate in their Annual Report documents that have already been published in the newspapers; but which, in such fugitive shape, are soon forgotten, becoming difficult to recover or trace. In the present juncture, with the comprehensive system of Parks that awaits ultimate acceptance or rejection by the people of Worcester, it has appeared expedient to gather together, so that they may be easily accessible and all the more intelligible because of such facile collocation, the various acts, letters, proposals, formal votes, &c., as they affect the several tracts of land recommended by the COMMISSION. There can be no permanent record of their "Acts and Doings" so serviceable for ready reference; and the need of such an aid to the memory, and guide to consistent action, is ever present and inexorably pressing.

The Meeting-House of the First Parish has vanished from the Common, and one of the objects proposed to itself for attainment by the old COMMISSION OF PUBLIC GROUNDS is completely achieved. No triumph of art was manifested in the process of demolition, although the spirit of parochial parsimony became signally conspicuous when the house of God was put up at auction. Not one of the congregation hankered for it at a fearful discount from the valuation established in court. But mutual concessions tended to terminate the case, lightening the burden upon the city, and softening the asperities of years which threatened to widen the gulf—yawning deep and broad—between Theology and Civism. Few mourners go about the streets, nor is the gnashing of teeth such as to attract notice. The people are once more in possession of that invaluable breathing space in the very heart of the city; and it should be indeed a tempting mess of pottage that induces them to barter such birthright! It is richly worth all that it cost; and the gratitude of the entire community will yet be awarded to those by whose courageous initiative its exclusive ownership was finally resumed and secured.

The COMMISSION intend to lay it down to grass in the spring. After the lawn has been completed, it will devolve upon the people in general to exercise self-restraint, and to see to it that individuals, for a brief short-cut, are not suffered to deface and mar its appearance. In such matters of æsthetical restriction the law counts for little; potency is latent in public sentiment, energetic enough when aroused, but of vision as defective as that of the Cyclops.

“If that section of the westerly side of Main street, from Pleasant street to Court House Hill, were called upon to defend itself, it would not now have ‘a stump to stand on,’ but nevertheless men have been at work, during the past week, trimming trees at the South End. ‘Trimming’ is hardly the word for the process, as large and apparently sound limbs have been lopped off in most ruthless fashion. The men who have done the ‘trimming’ may believe in uniformity, and so are unwilling that the south end of Main street should have so much more foliage than the north end, but what seems far more probable is that they were paid for their work in wood.”

The preceding rambling paragraph will serve to illustrate the carping criticism to which the PARKS-COMMISSION are continually

subject. The ordinary presumption that they know their business is denied them. They are coolly assumed to abnegate their functions, which are then usurped by those who perform responsible and hazardous labor for the sake of a cord of elm branches! Knowing little about Shade-Trees in cities, and unable to comprehend the needs that appeal to the COMMISSION, these hap-hazard censors "rush in" for the penny-a-line sensation. The owners of horse-cars, the drivers of hackney-carriages, citizens who control their own private teams, the Highway Department; all may complain of interference, obstruction, impending danger, but the COMMISSION must pay no heed! The vital roots of the Shade-Trees went when curb-stone, gutter, and side-walk came in and the abutter failed to prevent harm. If the tops are cut back, the roots have a chance to grow once more; and there results the restoration of an equivalence that is absolutely essential to all healthy vegetation. Manifest a little patience—allow a little time—and the whipstalks of the coming year will develop into the over-arching branches, with greater pliancy and increased power to endure extraordinary burdens of ice or sleet.

May 6th, A. D., 1887.

MR. LINCOLN,

Dear Sir:

I am told this morning that all the trees on Main street are to be cut down. If that is so it will ruin my place as a home. Now I want to know if there is any way to prevent this outrage? If so, will you please inform me how it can be done. I cannot conceive of its necessity. Your answer will much oblige,

Very truly yours,

WM. DICKINSON.

7th May, A. D., 1887.

WILLIAM DICKINSON, ESQ.,

My Dear Sir:

I am in receipt of your letter of the 6th inst., in which you write that you have been "told that all the trees on Main street are to be cut down," and asking me if there is any way to prevent this "outrage," and if there is, requesting me to "inform you how it can be done."

In reply, I have to state that the City Council have approved the recommendation of the Highway Committee that "Main street be widened on the westerly side, between Sudbury Street and Court House Hill," by including in the travelled way so much land as shall be exclusive of a certain prescribed

width for the foot-walk. This operation will necessitate the removal of many trees.

In this matter the Parks-Commission are without jurisdiction.

The opinion of Morton, J. (now C. J.), in the case of Edward W. Lincoln, *et als. vs. Benjamin W. Dean, et als.*, must be accepted as conclusive in the premises. I do not perceive that I can add anything to this formal statement of my judgment in the matter submitted by you.

I remain very respectfully,

EDWARD WINSLOW LINCOLN,

Chairman.

April 19th, A. D., 1887.

E. W. LINCOLN, Esq.,

Chairman of the Parks-Commission.

My Dear Sir:

The recommendations of the Committee on Highways and Sidewalks made to the City Council for widening Main St., on the westerly side, beginning at a point near Sudbury St., and running northerly to the foot of Court House Hill, has been adopted. The object of this movement being to open to public travel, in a place where it is much needed, a strip of land which hitherto has been unavailable. The plan when carried out will necessitate the removal of several old trees, which in times past have indeed been an ornament to that locality. But at present they exist only as a menace to life and limb of those who pass beneath their decayed branches; Main Street has indeed outgrown her rural garb, and I trust that your uncommon good judgment will find a way to allow the improvements as proposed by the Committee, to proceed.

Yours with great Respect,

E. B. CRANE,

Chairman of the Committee on Highways and Sidewalks.

14 June, A. D., 1887.

Alderman

E. B. CRANE, Chairman of Highway Committee,

Dear Sir: I have examined the metes and bounds set by the Engineers along the westerly side of Main Street and find the location to be such (it having been approved by the City Council) that objection by this Commission to the removal of the trees within that location would be factious and improper.

You will pardon the suggestion that the work should be commenced at the north where its expediency will commend itself and do much to disarm opposition.

Very Respectfully,

EDWARD WINSLOW LINCOLN,

Chairman.

The American Cyclopædia says of the Vandals that, after their defeat by Belisarius, they disappeared from history. Accepting that statement as true, it would seem scarcely credible that it was a detachment from that once powerful race which marched through North Main Street with axe and saw, last Autumn, felling trees as they came across them, and coming across them that they might fell.* Neither was it the PARKS-COMMISSION to whom that "fearful atrocity!" should be charged; since their whole connection with the "ruthless outrage!" was, to confess that they knew no good reason why the location of Main Street, formally adjudicated by the County Commissioners, A. D. 1848, should not avail for the public benefit. The best part of the principal highway of the city had been surrendered to a private corporation that it might derive exclusive gain. The need of greater space for travel and traffic grew more pressing daily. The proper authorities perceived that the space, so strictly required, could be obtained by putting in force that Decree of 1848, and it was not for the PARKS-COMMISSION under the circumstances to gainsay that conclusion. Now that it is done, the work carries with it its own justification. Of course, the gaunt poles that have intruded to disfigure Main Street, are no improvement æsthetically, over dying or dead tree-trunks. But the latter are gone, and the poles can be removed as soon as the people determine that they shall no longer imperil the limbs and lives of firemen; nor remain what they must be so long as tolerated at all, a direful menace to the very safety of the city. The decaying monarchs of vegetation simply maintained an immemorial easement. The ungainly monuments of usurpation "cumber the ground," in perennial witness of the weak concession by an easy-going community to an aggressive private greed.

(Copy:)

Worcester, May 26, '87.

MR. EDWARD W. LINCOLN:

I would inquire if there exists any remedy for a nuisance in the shape of a huge pole in front of a dwelling-house, with three wires drawn *across*, not over, to beautiful trees, and one of those wires, a guy?

* In vindication of an ethnological scape-goat that has to carry all manner of hypothetical sins, it should be noted that the same Cyclopædia says:—"Many of the atrocities and cruelties of which the Vandals have been accused are probably fables."

Are not individuals to be allowed to enjoy the trees of their own planting, without fear of destruction from Electric Light wires?

Yours Respectfully,

29 : *High St.*

MRS. H. G. CHASE.

(Copy :)

PARKS-COMMISSION : Worcester, Mass.

28 : May, A. D. 1887.

Mrs. H. G. CHASE,

My Dear Madam :

Your note of inquiry as to your personal rights, when they conflict with the convenience of a corporation, was duly received.

I was brought up to regard individual liberty, and the immunity of private right, as about all for which our forefathers fought that was worth the struggle. I have lived to find out the error of that early faith and to learn that the most tenacious law is that which is based upon audacious usurpation.

As a citizen I sympathize with you. As an official, who would gladly remedy your grievance, I confess myself powerless.

And I therefore conclude by subscribing myself, a fellow-voyager in the same boat.

Very Respectfully,

EDWARD WINSLOW LINCOLN,

Chairman.

Fresh instances of the attachment and suspension of electric, telegraph, and telephone wires, in direct violation of the Rules of this COMMISSION, as well as of the Municipal Ordinances and the Public Statutes, are constantly coming under observation. "If only you can avoid detection, do as you please!" appears to be the motto of the dull intellects that a compensation, not always exorbitant, induces to perform such destructive work. These and other forms of encroachment upon the community are fast arousing popular sentiment to the point of mutiny. Sooner or later the people will resume their own.

The COMMISSION have employed the limited force at their command, as occasion served, in continuing the work of opening up *Lake Park*. The season for a rule was a wet one; young growth keeping swift and almost even pace with the task of clearing. Early in Summer a fine clump of young Chestnut trees was almost ruined by the carelessness of men then in the employ of the COMMISSION. The folly that neglects to keep close watch and ward of a forest-fire is only equalled by the stupidity that first

kindled it during a drought and high wind. Towards the close of Autumn, man gained upon nature; and well nigh the whole tract of land around by the South-Eastern curve of the B. & A. Railway, was cut over and cleared from underbrush. A protracted spell of dry weather, at that period, brought with it a new, but not unexpected, danger. A fire on Sunday, caused by parties out in a search for chestnuts, got beyond their control; if, indeed, any effort was made to check the flames by those whose negligence was at fault. Injury, irreparable for long years was seriously threatened. Fortunately *Commissioner* Draper, on his return from church, at noon, observed the dense volume of smoke curling above the forest and went at once to the spot. It required but a single glance for him to apprehend the full extent of the impending danger. Aid was scarce; but it occurred to him, happily, that the congregation might not yet be dismissed from the Oratory, at the Quinsigamond Navy Yard. To go there would be to enlist help, such as it was! The caulkers and gravers usually engaged for the aquatic season being, of course, better versed in work in and around the dry-dock than in the parching drudgery of fighting fire. However, our colleague awards due credit to the labor which he contrived to impress;—praising it as far better than nothing. It was the good fortune of the COMMISSION that there should have been one of their number thoroughly acquainted with the neighborhood, who realized that no seclusion could be sacred from abrupt disturbance when need arose; and that no calm beatitude of devout meditation can claim exemption from active work, when the very face of the earth is swept as with a besom of desolation.

A good deal of work has been bestowed upon the Park-Ways, whose construction was stated as begun in the Report for last year, in order to render them fit for easy travel by pleasure carriages. Blasting of rocks and grubbing of inveterate stumps was carried forward assiduously; and the COMMISSION congratulate themselves that so much of their task is accomplished. The Drive around by the South-East avoids that perilous proximity to the B. & A. Railway, which caused timid people to shun the Circuit; and, with the thinning out of the underbrush, it has

been rendered sunny enough to be cheerful without spoiling the seclusion. The little vale, between that Park-Way and the Ford, even now assumes a deeper verdure beneath the strange influence of air and light, giving assurance of an emerald sward so soon as it can receive proper attention.

The COMMISSION are more than ever of opinion that Nature demands to be let entirely alone, unless it is desired to spoil a landscape—now unique. The grand forest growth, if it can be kept secure from fire, or abuse by the nut-hunter; the huge rocks, in all their primeval nakedness or clothed with giant creepers; the broad sweep of upland, or the far-reaching view of mountain and lake; these combine to give a distinctive charm to this Park that cannot be rivalled by any of the tracts of land recommended by the COMMISSION. Bush and briar supply their own wild charm. And even grown people prove themselves to be but children of a larger growth by straying to gather huckleberries in their season. Beyond rendering it thoroughly accessible, it is the policy and purpose of the COMMISSION to go very slow in their work at Lake Park to the end that they may be very sure.

The work carried on in ELM PARK, during the past year, calls for no especial comment. With the growth of trees and shrubs, as the seasons recur, the landscape is assuming the appearance which the COMMISSION pictured to themselves throughout those forlorn years of excavation, construction and planting. Had the assembled Mayors of the cities in Massachusetts selected June, or even August, for their visit, and been favored with more cheerful skies, they might have beheld a scene not wholly unworthy of Worcester.

The COMMISSION have been at considerable trouble to maintain a portion of the available space of ELM PARK, in the uses of a plantation and nursery. Public grounds have an appetite that is almost insatiate, and the inexperienced would be astonished to learn what an amount of work has been done, and quantity of material employed in setting out and propagation, for the show it makes. If the far-sighted and comprehensive plan of the

COMMISSION, for an adequate provision of Parks and Play-Grounds, shall not be blocked by official cowardice or private greed, and shall be fully accomplished as the people wish, there will be land and use enough for all the ornamental trees and shrubbery that can be supplied from any resources likely to be at disposal.

The COMMISSION have been much perplexed, for a long while, by a mysterious fatality that attended their attempt to grow the various species of *Nelumbium*, *Nymphæa*, &c., that were presumably hardy enough to withstand the severity of our local winters. Their leaves would be found, daily, floating all over the surface of the circular or Lily Pool, by the Step Bridge; and the edges of the leaves were nicked and torn as though they had been run through a slitting-machine. More recently, in 1887, the very roots have been picked along the shore, whither they had drifted after being pulled to the surface. The trouble was laid in turn to muskrat, mud-turtle, and even to the water-fowl, which were subjected to ignominious exclusion from that sheet of water. But after all it is found that the entire mischief is perpetrated by ravening boys and men. Inappeasable craving for horn-pout is the motive, and the fish-hook the destructive agency. Not one of those superb aquatic plants but is worth all the fish that could be drawn from the pools of ELM PARK, were they packed therein solidly. That those plants can survive the winter is demonstrated; for the *Devoniensis*, perhaps the tenderest, sent up one of its magnificent blooms last Autumn, before it was pulled up by the roots. The COMMISSION may have been slow to suspect the cause of offence. But hereafter, "Woe unto him through whom the offence cometh!"

The enjoyment of skating has been very general during the winter just past. It was quite practicable to keep the surface of the ice clear from snow, as a rule; although latterly the effort was necessarily confined to the longest and largest Pool, where a convenient dumping-place was supplied by the numerous islets. When the whole area was open it was frequently crowded. The space available for this, the most exhilarating and healthy of all exercises, is found quite restricted when there is vacation of the

schools. If they can ever find leisure for the task, the COMMISSION propose to complete their original design, by extending the Diamond Pool so as to include a stretch of low land that for a dozen years has betrayed neither will nor ability to repay culture with even sparse vegetation.

It is hoped that some method of flushing the surface of the ice, when it has been covered by snow or impaired by long use, which shall be both effectual and economical, may shortly be devised. The co-operation of the Water Department is assured, in advance, for any plan that gives reasonable promise of success. And the COMMISSION are confident that they can do nothing that will so please the parents of Worcester as by providing for their boys and girls a place where they can skate in winter, to their hearts' content:—a place that shall be ample, convenient, cosy, and above all, perfectly safe.

The sixth (6) proposition, in the original plan of the PARKS-COMMISSION, was formally stated as follows:—

*Voted:—*That in the judgment of this COMMISSION, it is for the interest of the City of Worcester to take, for the purpose of a Public Park, the tract of land bounded by Grove Street, Park Avenue, Salisbury Street, and Salisbury Pond, owned by Stephen Salisbury; and comprising about Thirty-one (31) acres, at an estimated cost of \$20,274.

And this COMMISSION hereby request the Honorable City Council to appropriate the above sum for that purpose.

The judgment of the COMMISSION was vindicated, and final action by the City Council anticipated, in the happiest manner, when Stephen Salisbury, Esq., made a free gift of the most valuable portion of that land to the City. The act speaks for itself, in its munificence. But its full value can be thoroughly estimated only by those who look forward to the very brief period within which the entire territory to the south of Salisbury Street, so long vacant, shall be occupied by populous homes. One of the most gratifying circumstances connected with this gift, as it affects this COMMISSION, is the remembrance of their long association with Mr. Salisbury in a congenial public service; his experience and observation in which, presumably made manifest to him a most effectual way of remedying, in part, an obvious deficiency of Worcester.

The note from Mr. Salisbury to *His Honor* Mayor Winslow, wherein he declares his generous purpose, is appended, that it may become a portion of the published records of the PARKS-COMMISSION, and also be convenient for reference:—

WORCESTER, June 20, 1887.

HON. SAMUEL WINSLOW,

Mayor of the City of Worcester:—

My Dear Sir:—During the past ten years Worcester has changed materially in appearance, and has lost much of the rural aspect which long after it became a city gave a charm to the streets, and continued to offer refreshment and cheer to its inhabitants. The gardens and grounds formerly surrounding many of our homes have been divided into house lots, and are now occupied by structures which have little more land about them than is required for their actual uses.

Such changes are now taking place with increasing rapidity, and the time is near at hand when most of our citizens can have the enjoyment of little of verdure and shrubbery around their dwellings. The report made a year ago by the Commission of Public Parks, suggesting a systematic plan for providing public grounds, was well-timed, and the approval with which the general scheme was received, and the recent purchase of land for such purpose by the city shows that the importance of early action is fully understood.

Through the wise forethought and liberality of two of our citizens, we now possess, at Lake Quinsigamond, a Park of 100 acres, which is destined to be more used and more fully appreciated as the years roll by, when the population of our city increases and advances to meet this outlying district. While large parks, accessible by conveyance, are important, smaller parks easily reached on foot, in different parts of the city, are equally desirable, and these smaller parks, if not promptly secured, can never be obtained within easy distances from the business portion of our growing city.

With a view of promoting, to some extent, the accomplishment of what is desired by very many of our citizens, I offer to give to the city a tract of land situated on the northerly side of Salisbury Street, bounded as follows: Beginning at a point marked by a wooden post painted white, and set in the ground about 470 feet eastwardly from the intersection of Boynton Street with Salisbury Street; thence running northwesterly about 1,900 feet to Park Avenue; thence running northerly about 565 feet on Park Avenue to a point marked by a wooden post painted white, and set in the ground; thence running eastwardly at nearly a right angle with Park Avenue to a point on the shore of Salisbury Pond at high water, and marked by a wooden post painted white, and set in the ground; thence running southwesterly and following the shore of Salisbury Pond at high water mark, excepting that a fill of flowage

shall be permitted on the Salisbury Street side of the pond, and near the intersection of Park Avenue, so that the water at that point shall be at least 160 feet distant from the line of Salisbury Street; otherwise following the curvatures of the shore at high water mark to a point on the shore of said pond, at high water mark, designated by a wooden post painted white and set in the ground, which shall be the northerly extremity of a straight line projected at a right angle from the point first mentioned upon Salisbury Street, thence running southerly upon this line about 670 feet, to the place of beginning. This tract of land is supposed to contain 18 acres.

The gift is made subject to a grant to the Worcester Polytechnic Institute of a portion of the foregoing declared tract, which is hereafter disclosed, and is also subject to the following provisions:—

The conditions of this gift are that this area shall be called Institute Park, in recognition of the usefulness of the Worcester Polytechnic Institute to the material interests of the city and county; that the Worcester Polytechnic Institute shall, from and after twenty years from the date of this gift, have the right to erect a building or buildings of attractive exterior, and to occupy the same for educational purposes, upon a portion of said tract 200 feet by 150 feet, lying at least 60 feet from Salisbury Street, upon the highest portion of the area now offered, opposite land now belonging to the Institute, and extending east and west in its longest dimension. The area thus set apart is bounded and described as follows: Beginning at a point within said tract, 50 feet westerly from the west line of the estate of J. Henry Hill, upon Salisbury Street, and 60 feet northerly from the north line of said street; thence running westerly in a straight line 200 feet to a point 60 feet distant from the north line of Salisbury Street; thence running northerly at a right angle to the line last described, 150 feet to a point; thence running easterly at a right angle to the line last described, 200 feet to a point; thence running southerly at a right angle to the line last described, 150 feet to the place of beginning, which will form a parallelogram of 30,000 square feet, granted to said Institute, together with a right of free access from the public way, and such facilities of ingress and egress for carriages and foot passengers, as may be necessary for the full use and enjoyment of this land thus granted to the Institute for all purposes for which such grant is made, and in such manner as may be mutually agreed upon by the Park Commissioners and the Trustees of the Institute; that such location and the dimensions thereof may be changed for another site and area within said tract upon consultation and agreement between the City and said Institution, at a time when such a proposition can be legally entertained; that until the lapse of 20 years, and until the Worcester Polytechnic Institute elects to erect buildings within this

Park, the portion of land granted to the Institute shall be improved in common with other portions of said tract, and that the officers and students of the Institution shall always have the same rights and no more to the use of the Park as other inhabitants of the city, except as regards a future use and occupation for educational purposes of the portion of land granted or agreed upon according to the terms of the grant.

These privileges and rights I will confirm to the Worcester Polytechnic Institute by deed of even date with that which passes the title of this tract of land to the city, and the deed to the city shall provide that any temporary privilege connected with the use of Salisbury Pond permitted or allowed to the city or to the public by the Lessee of the Pond and the owner thereof in fee shall in no case work any detriment to their several rights of possession or ownership nor create any title in the city as against the lessee or owner by any length of enjoyment of such use and privilege by the public; that this tract of land shall forever be maintained as a Public Park, subject to the same care and regulations as the other public parks of the City of Worcester, that it shall be carefully surveyed by the city and a plan thereof made from which a conveyance of the same may be properly drawn; that stone monuments shall be placed at suitable distances and marked upon the plan fixing the limits of the park upon the borders of the pond; that the city shall within one year from the date of the grant construct passage ways 60 feet in width upon and within the limits of this park upon the easterly and northerly limits thereof to the shore of the pond at high water mark, which passage ways shall be open and free to the owner or owners of the adjacent land, and that within one year from the date of the grant of this tract the city shall re-locate and grade Salisbury Street from its intersection with Grove Street to Park Avenue and that the city shall throw out enough land from the area comprised in this gift upon the line of Salisbury Street to Park Avenue to make that street 60 feet in width to agree with a like concession of land which I wish to make from land which I own on the northerly line of Salisbury Street from the intersection of Grove Street and extending to the easterly limits of the park.

If accepted, this gift shall be subject to the tax which is assessed upon it for the year 1887.

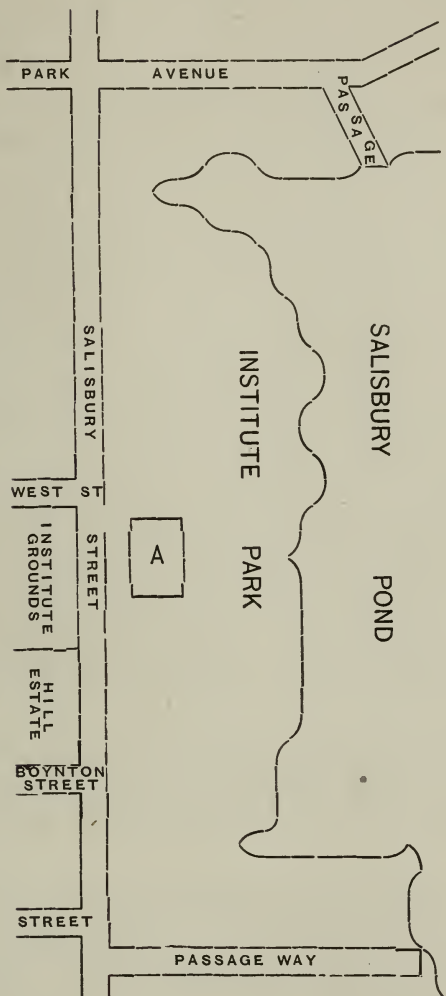
This tract of land requires very little labor to adapt it to public uses. Walks, shrubbery and trees can be provided at a small expense. A plan of the land now offered to the city accompanies this communication.

If this gift and the conditions attached to it are accepted I will convey the above described tract of land to the city by warranty deed.

Very respectfully yours,

STEPHEN SALISBURY.

The following plan indicates in a general way, the outline of the Park.



INSTITUTE PARK.

"A" marks the plot which goes at the end of twenty years to the Polytechnic.

The roadway marked "STREET," without a name, has been laid out, although not completed.

Considerable work has been done in conformity to the stipulations prescribed in the foregoing note. Stone bounds were set at fixed distances from high-water mark, around the Pond, so far as the Park continues; and, in addition thereto, the COMMISSION have caused to be established at the salient corners, or bends, massive granite monuments bearing the legend—*Institute Park*—to prove their desire to meet to the fullest extent the wishes of Mr. Salisbury. Stone walls have been demolished, the materials being carried shore-ward, that the line of the Pond may have a revetment, the cheaper and quicker from stone saved on the spot. Work upon the Passage-Way, required by Mr. Salisbury along the Eastern side of the Park has been pushed so decidedly that comparatively little labor will suffice to fit it for use. No good reason is now apparent why discreet progress, without absurd and lavish haste, should not essentially improve the appearance of that fortunate acquisition by the city.

The assumption by the Municipal Board of Health in its latest Report, that the PARKS-COMMISSION will favor the establishment of Bath-Houses along the shores of Institute Park is unauthorized. The deed from Mr. Salisbury conveys only to high-water mark. A bath-house would be of little value without water. And that element, so far as it is contained in Salisbury Pond, remains under the exclusive control of Mr. Salisbury and his lessees.

Appended to the Original Report of the COMMISSION, wherein was set forth at length a proper system of Parks for the present and prospective needs of Worcester, will be found the following formal vote :

Voted,—that in the judgment of this COMMISSION, it is for the interest of the City of Worcester to acquire the tract of land belonging to the Commonwealth and now held by the Trustees of the State Lunatic Hospital, to the extent of Fifty-Four (54) acres, more or less, for the purposes of a Park; and to request the Honorable City Council to petition the General Court to determine the conditions and rates by which said tract may pass into possession of the City for the purposes above described.

Upon the Petition of the City therein suggested, a Hearing was had, and an official view of the tract of land in question taken upon the spot by a large Committee of the General Court accompanied by the Treasurer of the Commonwealth. The subjoined

Act embodies what is understood to be the deliberate and final conclusion of the State authorities,—indicating the extent to which the expressed wishes of the city will be met, without a direct exaction of money:

(Chapter 429.)

COMMONWEALTH OF MASSACHUSETTS.

In The Year One Thousand Eight Hundred And Eighty-Seven.

AN ACT to authorize the City of Worcester to use and occupy certain Land belonging to the Commonwealth for a Public Park.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by authority of the same as follows:—

Section 1. The City of Worcester is hereby granted the right to hold, occupy and control free of rent or charge by the Commonwealth all the land belonging to the Commonwealth in said City which lies between Shrewsbury street, a public highway, and East Shelby street, so called, a street laid out by said Commonwealth over its land, containing twelve acres, more or less, for the purpose of constructing and maintaining a public park.

Section 2. The said City of Worcester by its board of park commissioners shall within five years from the passage of this act lay out and establish a public park over all said land by suitable filling, grading and draining, and by suitable cultivation and ornamentation for the uses of said park; and shall thereafter keep and maintain said grounds in a neat and ornamental condition.

Section 3. While this act is in force the trustees of the state lunatic hospital at Worcester shall not sell any portion of the land above described under the provisions of section four of chapter two hundred and thirty-eight of the acts of the year eighteen hundred and seventy.

Section 4. The board of park commissioners of the City of Worcester shall have the same powers and authority with reference to said land as it now has with reference to other parks laid out in said city, except the power to assess betterments accruing to real estate by locating and laying out said land as a public park.

Section 5. After said land is so laid out as a public park the said city is hereby authorized to raise, appropriate and expend such sums as it may deem best for the improvement of said park subject to the laws of this Commonwealth limiting municipal indebtedness.

Section 6. This act shall take effect upon its passage.

House of Representatives, June 16, 1887.

Passed to be enacted.

CHAS. J. NOYES, Speaker.

In Senate, June 16, 1887.

Passed to be enacted.

HALSEY J. BOARDMAN, President.

June 16, 1887.

Approved. OLIVER AMES.

20: January, A. D., 1888.

FRANK P. GOULDING, Esq.

City Solicitor,

My Dear Sir:

By virtue of Chap. 429, of the Statutes A. D. 1887, the City of Worcester is granted the right to construct and maintain a Public Park in and upon certain lands belonging to the Commonwealth.

Will you please give me your opinion if any formal action or expression of intention is necessary, under the Act; and if yes,—whether the initiative should be taken by the City Council or by this PARKS-COMMISSION?

Section 2 of said Act declares that the City, “by its Board of Park Commissioners” shall do certain specified things. And yet if the PARKS-COMMISSION, of itself and *ex mero motu*,—may enter upon that land, lay out a Park at the expense of the City, filling, grading, and draining, etc., it may do by force of construction what it is explicitly prohibited from doing, under the General Park Law of 1882; until after precedent determination and action by the City Council.

I remain Very Respectfully and Truly,

EDWARD WINSLOW LINCOLN,

Chairman.

CITY OF WORCESTER,

Massachusetts.

City Solicitor's Office,

January 23, 1888.

EDWARD W. LINCOLN, Esq.

Chairman, etc.

My Dear Sir:

Your communication of 20th instant, has drawn my attention for the first time, to the act of 1887, chap. 429. The act as completed is wholly different from what was proposed. Its construction is not entirely clear, and apart from the object of the statute as indicated by the title, it might be urged from the text that the park in question was imposed on the City willy-nilly, and that the parks commission was peremptorily required to lay it out as a park. Taking the whole object, purpose and design of the statute, however, I am of opinion that it is merely permissive to the City, and that the park commissioners are not warranted in laying it out as a park, until appropriation has been made by the city council for the expense.

Yours truly,

FRANK P. GOULDING,

City Solicitor.

The COMMISSION perceive no necessity for any large expenditure to reclaim that parcel of land. Something must depend upon the character of the soil; but when it has been brought to a

texture that will bear people without yielding to their weight, it will then be fit for use. Filling and elevating to a fanciful grade would be alike costly and absurd. Upon no account should a sum for its improvement be estimated in the sum of a permanent Park Loan. The cost of reclamation will be as legitimate a charge upon current expenses as that for the care of the Common or Elm Park; and therefore becomes a proper object for the pet policy of pay as you go! The grubbing of tussocks and burning them, with subsequent ditching and draining are not such killing affairs as to require the issue of Fifty-Year Bonds. What will be indispensable, however, according to the opinion of the City Solicitor, is a moderate appropriation, to declare the purpose of the city to avail itself of the permission granted by the General Court, thus, as it were, binding the bargain.

There appears to be some misapprehension of the position taken by this COMMISSION in the matter of University Park. The enlargement of the tract already owned by the city, as asked by the Petition of J. H. Walker and others, did not *per se*, secure approval. What Worcester already owns was purchased after tedious negotiation, in acknowledgment of the munificence of Mr. Jonas G. Clark. But when the possibility of the Julia Fay Institute was further suggested, heartily commended by Rev. Edward E. Hale in letters to his classmate, the Chairman of this COMMISSION, it was resolved to place the proposed addition upon the same footing with the other parcels or tracts of land heretofore advised or preferred. The COMMISSION, as will be seen, were guarded in their language:

30: December, A. D., 1887.

TO THE HONORABLE CITY COUNCIL:

A Petition from J. H. Walker, and a large number of other citizens equally representative of the wealth and enterprise of Worcester, asking the "Board of Park Commissioners to take the necessary steps to locate and lay out, as a Public Park, that tract of land which is bounded by Main, Gates, and Crystal Streets, on three sides and on the other side by the proposed street called Addison Street, or by Crystal Park;" representing that "in their opinion, the interests of Worcester would be much subserved thereby;" was handed to the Chairman of the Park-Commissioners in mid-summer and thereafter laid before the full board. This Commission saw no necessity that required a precipitate decision on their part; nor did the Petitioners allege that there

was any especial emergency. A formal view of the land was taken, however; and it has been reviewed frequently since, and has been made the theme of occasional conference as the Commissioners chanced to meet.

The Commission have no wish to conceal that they might have preferred to await the prior action of the Honorable City Council upon the recommendations already submitted by them, whereby a system of Parks was proposed that would comprehend the immediate and prospective wants of the whole people. Abating and waiving none of their declared preferences, but steadfastly re-affirming them; they are frank to admit that facts have been presented, quite recently, and considerations urged in the same connection of such an importance and nature, that it has seemed to become their imperative duty to decide at once in the premises. Accordingly, at a meeting of the Commission duly convened and holden, on the 19th inst., and thereafter by adjournment on the 26th inst., it was determined to grant the prayer of the petitioners and to invite the co-operation and final sanction of the City Council.

In furtherance thereof the subjoined vote adopted at said meeting, is respectfully submitted, for and in behalf of the Commission

(by)

EDWARD WINSLOW LINCOLN,
Chairman.

The precaution of the COMMISSION should be noted, since there seems to have been a precipitate, if not concerted, jump at a forced conclusion. "The COMMISSION might have preferred to await," &c. "Abating and waiving none of their declared preferences," &c., &c. What then did they do and how far did they carry their conclusions? What more than to adopt a vote whereby they condemned the land coveted by the Petitioners; thereby placing it in the same category and subjecting it to a similar incumbrance to that imposed upon the Crompton lot, the tract by Adams Square, and Newton Hill. Land belonging to the Commonwealth was without their reach; that could only be the object of Petition. No one of those tracts is preferred officially, except so far as priority of selection may be taken into the account which cannot but have due weight with the reflecting. The COMMISSION thought that so much might be yielded by them to the plausible likelihood of securing the Julia Fay Institute. Beyond that measured concession to the general welfare, they were not disposed to boom sectional real estate nor to gamble in landed futures. The sum of their appraisal is none other than the valuation by three discreet and fair men sworn to do their duty

as prescribed by law. There was never good reason to assume that such duty has not been discharged with scrupulous fidelity. They are but knaves or purblind who could even suspect that the PARKS-COMMISSION would lend themselves to schemes of extortion based upon an actual or fancied municipal necessity. An inducement to their action, and concurrent therewith, was an assurance from competent authority that the issue of an adequate Park Loan would be cordially advocated. That assurance has been amply redeemed and the confidence of the COMMISSION justified.

26th December, A. D., 1887.

Voted,—that, in the judgment of this *Commission*, it is for the interest of the City of Worcester to take, for the purposes of a Public Park, the tract and parcels of land situate and lying between Crystal, Main and Gates Streets, and a tract of land heretofore purchased by the City, for the same purposes :

The said tract and parcels belonging to Alonzo Whitcomb, Edwin and Lucius E. Eldred, Eliza W. Whipple, Albert M. Knights, Hattie E. Nichols, Emma J. Lawrence, Matthias B. Atwood, Daniel W. Roberts, Leonard L. Pollard, Florence J. Allen, John H. Pickford, and Duncan Murray.

In all, comprising three hundred and nine thousand two hundred and thirty-two (309,232) square feet; as will more clearly appear upon the plan appended hereto and made a part of this Report and Vote; at an estimated cost, including buildings, of thirty-four thousand one hundred dollars (\$34,100).

And this *Commission* hereby request the *Honorable City Council* to appropriate the said sum for the above specified purposes.

In the interest of the Municipal welfare, so largely dependent upon that active and thronging population of Ward Five (5), as well as in behalf of a wise and healthful development of the young men and maidens, increased and multiplied in that section of Worcester, as in none other, the PARKS-COMMISSION formally condemned, in the alternative, two several tracts of land at estimated valuations of \$23,166 and \$29,000. Neither selection exactly suited the COMMISSION, or satisfied the people most nearly concerned. The dispensations of Providence, in the lapse of time, have so enured to the achievement of a persistent purpose, that the COMMISSION were lately enabled to ask the co-operation of the City Council in the only step essential to give complete effect to a proposition which fully meets the exigency. The generous offer by the heirs of George Crompton, furnishes the

opportunity, sought for long years by this Commission, to supply the most thickly settled part of the City with a convenient and eligible tract of land for a Play-Ground and place of common resort. Play-Ground carries with it its own meaning; and by common resort, is intended a space for open-air concourse and enjoyment, into which the irruption of rudeness or violence shall not be suffered, and wherefrom, if they chance to invade, they shall be summarily cast out.

The terms upon which that tract of land can be secured to the City, by mutual amicable arrangement, are succinctly stated in the subjoined correspondence:—

4th April, A. D., 1887.

MRS. GEORGE CROMPTON,

My Dear Madam:

I have mailed to your address a copy of the Annual Report of this Commission, wherein the matter of a Public Ground in Ward Five (5) is considered at some length. In its proper disposition, your own interests and those of your children, will be measurably involved. Permit me to express the hope that its ultimate settlement, requiring, perhaps, somewhat of concession or even sacrifice, may result in the establishment of

CROMPTON PARK,

a most suitable and enduring Memorial to one whose genius and energy were such marked features of our business life, and such fertile sources of our civic prosperity.

I have had some slight intercourse with Hon. W. W. Rice, in the matter, and intrude upon you now, merely to attract your attention to the subject so that you may be the better prepared for decision when required.

Believe me, my dear Madam,

Most respectfully,

EDWARD WINSLOW LINCOLN,

Chairman.

June 10, A. D., 1887.

MRS. GEORGE CROMPTON,

Mariemonte.

My Dear Madam:

This Commission would not appear importunate, but nevertheless cannot refrain from asking if you have come to any conclusion as to the price that you would be willing to accept for the tract of land between Endicott Street extended westerly; Quinsigamond Avenue on the west; and land of John S. Ballard on the south and east; the whole comprising an area somewhat in excess of eleven (11) acres.

It may, or may not be an object with you, as Administratrix, to dispose of the tract as a whole without tedious negotiation of parcels; to dispose of it to the City for the purposes of a Park and Play-Ground; and to find your

compensation for a concession of price in an escape from the necessity for the construction of streets, with their inevitable exaction of land to be surrendered, to be followed by the cost of building them.

The Commission have had this matter referred to them by the Honorable City Council, for now almost six (6) months; and would be gratified, if consistent with your pleasure and interest, to be enabled to submit a report upon the subject-matter as soon as possible.

Very respectfully,

EDWARD WINSLOW LINCOLN,

Chairman.

CROMPTON LOOM WORKS,

Worcester, Mass., U. S. A.,

June 14th, 1887.

HON. EDWARD W. LINCOLN,
Worcester.

Dear Sir:—Yours of the 10th came duly to hand, and will say that Mrs. Crompton will send you her price for the land mentioned, during the present week.

Yours truly,

WORCESTER, MASS., June 15th, A. D., 1887.

HON. EDWARD WINSLOW LINCOLN,
Chairman Parks-Commission,
Worcester, Mass.

Dear Sir:—Answering your request of the 10th inst., will say that the heirs of the late George Crompton will sell to the City of Worcester, for the purposes of a Park and Play-Ground, at 12½ cents per square foot, that portion of the estate shown as per plan herewith. The tract of land is bounded as follows: On the north by a street to be extended as hereinafter mentioned, on the east and south by land of John S. Ballard, and on the west by Quinsigamond Avenue. Said tract has not been surveyed accurately, but contains 500,000 square feet, more or less. This sale to be made under the following conditions:

1st. That the lane or court next south of Sigel Street, leading off the west side of Millbury Street and opposite Endicott Street, shall be extended to Quinsigamond Avenue, at a width not less than that of Sigel Street.

2nd. That the city shall tax no assessments or betterments of whatever name or nature on any of the remaining land belonging to the heirs of George Crompton, anywhere in the vicinity of said proposed Park in consequence of its establishment.

3d. That the heirs of George Crompton shall be relieved from the payment of taxes for the year 1887, on the land now offered to be sold for Park purposes.

In behalf of heirs of George Crompton

(by) MARY C. CROMPTON,

Administratrix.

June 28th, A. D., 1887.

MRS. GEORGE CROMPTON,
Administratrix.

My Dear Madam:—Mr. William O'Connell, of the Common Council, has conveyed to me the substance of an interview that he had held with you; and therefore, and more especially because of the tenor of your note as Administratrix in reply to mine of interrogation, I ask a few more moments of attentive consideration from yourself, and those with whom you may elect to advise.

The power "to take land" deemed suitable for Parks, etc., has been conferred upon the Parks-Commission of Worcester, in its very creation. That power, so far as it legally affects the estate of George Crompton, deceased, has been exercised, and by its virtue a tract of land lying south of the Gas Works, east of the Providence & Worcester Railroad location, and between Cambridge Street and Quinsigamond Avenue, is now the subject of eminent domain, the City Council approving and appropriating therefor. But, as heretofore stated to you, the City Council have referred to this Commission to consider and report whether, all things considered, the tract of land lying below Endicott Street may not offer a more eligible location?

The burden of my inquiries for this Commission was in so much suggestive. Would the estate of George Crompton wish to be freed from the grasp of the law, that the action of this Commission had already attached to it? Would the estate elect to retain that tract, substituting another apparently more attractive to the City Council, if of less intrinsic value?

I am free to confess, my dear Madam, that your reply, when at last obtained, was a disappointment. The assumed area of the lot heretofore condemned, and now awaiting final action by the City Council, is given by the Assessors at about sixteen (16) acres, and has been valued by them, for purposes of taxation, at \$25,166. There is no record of complaint that the valuation is excessive, and the Assessors state that there has been no application from its owners for its increase because of under-valuation.

Your note of the 15th inst., asks twelve and one-half ($12\frac{1}{2}$) cents per foot, upon the assumed area of 500,000 feet; insists upon the extension of Endicott Street, by and at the cost of the City, and exacts exemption from taxes for A. D., 1887, as well as release from liability to "betterments" because and in consequence of the selection of the land for a Park and Play-Ground. Think for a moment. 500,000 feet at $12\frac{1}{2}$ cents, \$62,500; taxation by the estimate of the Assessors at $6\frac{1}{4}$ cents per foot, and "betterments," what they might chance to be.

On the other hand, the present condemnation by the Parks-Commission remaining valid, the tract between Quinsigamond Avenue and the Providence & Worcester Railroad passes from the estate at its assessed value, and anything more that could be got upon appeal, less costs.

From that must be deducted the sum of betterments upon all the land of the Crompton estate abutting upon Quinsigamond Avenue, the one hundred thousand (100,000) feet, less or more, that will be required to allow for streets within the over-valued territory, to say nothing of the taxes which,

even upon a valuation half of that assumed by Mrs. Crompton's advisers, may well count for a sum worth saving.

And although the argument would be applicable to the selection of either tract, is not the prospect of a sale—*en bloc*—as they say in France, worthy of serious consideration? Assuming the transfer of title and possession in due form, all trouble to the Crompton estate is summarily terminated. There is no building of streets with their concession of land, no construction of sewers and side-walks, no bother about water or light, nor, and it may well be taken into the account, any loss from non-payment of interest, purchase money, or possible ultimate depreciation.

Of course I cannot predict what may be the final conclusion of this Commission. My present object is to obtain what facts I may that will aid in forming opinion and bringing about a correct determination. Thereafter it will devolve upon this Commission, as a body, to report upon the question submitted to it by the Honorable City Council, many months since, and to which an answer has been unexpectedly delayed.

May I express the hope that further reflection will bring you to the conviction that the estate places too high a valuation upon the tract of land south of Endicott Street, when it is sought as a whole, for the purposes of a Park and Play-Ground?

With great respect, I have the honor to
subscribe myself,

EDWARD WINSLOW LINCOLN,

Chairman.

WORCESTER, MASS., U. S. A., Sept. 5, A. D., 1887.

HON. EDWARD WINSLOW LINCOLN,

Chairman of Parks-Commission,

Worcester, Mass.

Dear Sir:—Referring to our communication to you on June 15th, will say, that after full consideration of the subject, it has been decided to make a tender to the City of Worcester of the land referred to in said letter, at 8 cents per square foot, instead of $12\frac{1}{2}$ cents, as first quoted.

Though feeling confident that the price of $12\frac{1}{2}$ cents per foot represents only a fair value of the land; also being assured that this land, when properly placed in the market, would realize even a larger figure than that, still being desirous, in a measure, to meet the opinion of a large majority of the people living in this section of the city, that a Park and Play-Ground is a necessity, we have decided to offer this amended price of eight cents per foot, allowing the difference between the price now offered and that originally quoted to represent the amount that the heirs of George Crompton would contribute toward the establishment of a Park and Play-Ground in that section of the city.

The conditions mentioned in said letter of June 15th, to be maintained in every respect, excepting condition 3rd, which of course will be waived, providing this offer is accepted by the City previous to April 1st, 1888; if delayed

beyond that time we should wish to replace the 3rd condition, and have the heirs of George Crompton relieved from the taxes for the year 1888.

Yours truly,

MARY C. CROMPTON,

In behalf of Heirs of George Crompton.

October 3d, A. D., 1887, all the members being present, the COMMISSION unanimously *Voted* :

“That in the judgment of this COMMISSION it is for the interest of the City of Worcester to take, for the purpose of a *Public Park*, all the tract or parcel of land bounded and described as follows, to wit: On the East and South by land of John S. Ballard; on the West, by Quinsigamond Avenue; and on the North, by a street that will be virtually an extension of Endicott Street to Quinsigamond Avenue; the whole comprising, as near as may be, 554,382 square feet, at an estimated price of eight (8) cents per square foot, or, in the aggregate, a sum of \$44,350.56.”

“And this COMMISSION hereby request the *Honorable CITY COUNCIL* to appropriate the said specified sum for that purpose.”

Concurrent action by the City Council, as solicited, is all that will be needed to consummate one of the most essential portions of the comprehensive plan of the COMMISSION.

And, to complete the series of steps in that march of progression for which the people had petitioned and voted, for weary years; and for whose more effectual accomplishment the COMMISSION itself was substituted for one of inferior power; the following vote was adopted:—

Voted:—That in the judgment of this COMMISSION, it is for the interest of the City of Worcester to take, for the purpose of a *Public Park*, the tract and parcels of land bounded by Lincoln, Melrose, and Burncoat Streets, comprising seventeen and eight one-hundredths ($17\frac{8}{100}$) acres, at an estimated cost of \$9,700. And this COMMISSION hereby request the *Honorable City Council* to make the above appropriation for the said purpose.

The tract of land covered by the above formal vote was regarded by the PARKS-COMMISSION as absolutely essential to the perfection of their plan. In many of its features it bears a marked resemblance to the Crompton lot in Ward Five; enjoying a special advantage over that lot, however, in the natural facilities for constructing a clear pond of water. The COMMISSION do not think it necessary to repeat or enlarge upon their

arguments in behalf of this selected Park, as there seems to be a general accord of opinion in its favor. How happily it is situated will be apparent to the most careless wayfarer, when lunacy shall yield to common sense; and the multitude, fortunate enough to retain reason, be suffered as well as those whose minds are a wreck, to participate in the restored use and enjoyment of Lake Quinsigamond, and to travel along its Northwestern shore over a common highway. No public improvement is more needed, at present, than that which shall provide greater facility of intercourse between the Eastern and Western sections of Worcester, towards its Northern limit of settlement. Now,—a great gulf interposes to separate them. The proposed continuation of Lake Avenue, throughout the land of the Commonwealth, and around by Lincoln Street to Barber's Crossing, precisely meets that exigency; and thereafter the Park, by Melrose Street, becomes a gem in fittest setting.

In the judgment of the PARKS-COMMISSION, repeatedly declared, no system of Parks could be considered complete which did not include NEWTON HILL. It is situated at the geographical centre of the city. Flourishing settlements lie to the West and North of it and population is encompassing it rapidly on every side. The fortunate owners of large farms may taunt those who would fain see that hill in the ownership of the city, with the idle jest that it will keep! And so it has kept; for long years;—constantly in the public view; always an object of popular appreciation; and now as ever the burden of petitions for its acquirement unequalled for the character and wealth that the signatures represent. No man put his name to that paper who was not first cautioned to realize the full significance of his act. In this case, at least, the usual flippant sneer at petitions cannot apply. The signers—Stephen Salisbury, Samuel Winslow, Jonas G. Clark, Philip L. Moen, E. B. Stoddard, with countless others—asked the City Council to take and hold Newton Hill for the purposes of a Park and Reservoir; and therein, now as then, they represent the best popular wish and the highest public policy. That Petition was referred by the City Council to the PARKS-COMMISSION, whose formal vote condemning the Hill in legal manner

and form has been reported back and now awaits the required appropriation to give it force and validity.

Throughout that whole broad valley to the west of Harvard, Chestnut, and Woodland Streets, there is and can be no other possible provision of Public Grounds than this,—so admirable in itself; so suitable as the complement of Elm Park. With the solitary exception of Institute Park, every plot or parcel of Park or Play-Ground, in actual or prospective attainment; and whether the fruit of civic acquirement or private munificence; will be and remain situate upon the Easterly side of Main Street. The PARKS-COMMISSION favor the most ample provision for that crowded section of Worcester. They have always advocated parks where population is dense and rejoice as they behold the general acceptance of their gospel. Their scheme is catholic; comprehending the whole city within its sufficient scope; providing alike for the actual exigencies and prospective needs of Worcester, as it now is, or as it may be reasonably anticipated to become at the close of another generation.

When the writer was a lad, he could roam unchallenged, over all the land between Main Street and Newton Hill, comprising at least half of the broad acres from Highland to Pleasant Street. Now, he is confined within the limits of a single house-lot! What multitudes have not even so much? Within fourteen years the wide area beyond West Street, where from Highland Street southerly, towards and including the Jaques estate, buildings were few and far between, has been so improved that there can scarcely be found a vacant lot. The existence of the large waste belonging to the Agricultural Society cannot be reckoned an exception, since that is suffered to lie a desert from choice for keeps!

It was for the landless and homeless that the COMMISSION OF PUBLIC GROUNDS of yore pleaded; it is for the “cabined, cribbed, confined,” that the PARKS-COMMISSION, under the manifest stress of a far greater necessity, will continue to plead unceasingly. And, as the want exists and will continually grow more exacting, so can there be no valid excuse for the reluctance or failure to provide for its relief at the same time that other sections of the city are supplied.

In the Report of the COMMISSION OF PUBLIC GROUNDS, A. D., 1871, occurs the following passage :—

“If the entire, or even a major part of the water supply of the City is to be derived from Leicester, that Hill must be invaluable in the immediate future, as the site for a Reservoir which shall hold a temporary store against emergencies, and also aid in equalizing the pressure throughout that broad arc in which the western suburbs are comprised, and in the chord subtending which it is the most salient feature.”

Two years later the topic is again resumed :—

“Have we not lately received an impressive admonition to beware of overweening confidence and to provide, as there suggested, a temporary store against emergencies? Dependence upon a single main (it matters not how trustworthy) is but a frail dependence, after all. It was the pitcher that went too often to the fountain which got broken at last. To show how important are the interests involved in this matter, a table is herewith furnished of the valuation of Wards One, Seven and Eight, whose entire property lies within the range, and would be subject to the watch and ward of this Hill, were a proper use made of its summit :

“Aggregate valuation of Worcester, \$47,294,834.

	Realty.	Personalty.
Ward One,	\$5,364,100	\$1,698,150
Ward Seven,	4,996,100	1,048,900
Ward Eight,	5,864,800	1,676,350
	<hr/>	<hr/>
Total,	\$16,225,000	\$4,428,400
		20,653,400”

A. D., 1877, the valuation of those Wards is stated by the assessors, as follows :—

“Aggregate valuation of Worcester, \$59,307,925 $\frac{1}{2}$.

Ward One,	\$8,407,650
Ward Seven,	9,054,250
Ward Eight,	11,415,800
	<hr/>
	\$28,877,700

besides their proportion of \$4,229,750 listed to non-residents.”

That Report of 1873, appears almost prophetic :—

“It must be conceded that, so large a proportion of its real and personal property being imperilled, with scarcely the semblance of protection, the permanent welfare of the City is absolutely absorbed in a suitable decision of this matter. Any wild March morning, that should behold the population of those three

Wards wandering aimlessly, or distracted, amid the ashes of their former homes, would be a woeful day for Worcester. And so keen is the competition between communities enjoying anything like equal natural advantages, that it may be doubted, however elastic our energies, whether we could recover from such a blow in season to retain our relative position among our sister cities. But yet, to prevent such a result, of a fire fed by a hurricane, we have one hose company with its apparatus, shall have a steamer in the fullness of time, and—no water supply! However, better so than an imperfect supply that inspires unwarranted confidence. A table of relative elevations of different points throughout the City, above mean Tide Water, which was furnished to a Committee of the General Court by the writer, is herewith submitted, that it may be put upon official record:

Elevation above mean Tide Water.	Feet.
Newton Hill,	672.29
Fairmount,	638.91
Chandler Hill (reservoir),	640.61
“ “ (summit),	738.37
Hunt's Reservoir,	655.90
North Pond (high water),	537.00
Bell Pond (high water),	666.50
George Crompton's House (water table),	629.88
Leicester Reservoir (rollway),	822.87
Cambridge and Mill streets (high water in brook),	438.63
Main Street (man-hole at intersection with Davis Court),	482.04

There are many eminences within the City limits of superior altitude to Newton Hill, but not one which occupies its relative position to so large a portion of densely settled territory. When the late Mayor Knowlton was perfecting the acquisition of Elm Park, he previously ascertained, by actual survey, that its lowest depression was higher than the steps of the City Hall—its centre nearer the Oread than Lincoln Square. How much more truly this can be asserted of the Hill, let any one stand on Charlton Street, for instance, and, looking across the intervening valley, determine for himself. There it stands, confronting the whole western slope, dominating the interval and capable of being made the salvation of half the City.

* * * * *

Assume now that a Reservoir has been constructed upon the summit of Newton Hill, sufficiently massive to withstand pressure and capacious enough to supply something larger than a garden hose. From that Reservoir conducting pipes radiate in every direction; towards the Sears' Farm and Elmwood Nurseries, if you please, North and South; and through and throughout Pleasant, Elm, Cedar, William, Bowdoin, John, and Highland Streets. These pipes can be comparatively small because they are so

numerous, and of stout cast iron because they are no larger. You have organized ten or a dozen hose companies.

* * * * *

This plan saves the purchase of steamers, which are short-lived, always out of order, too heavy for our steep hills with their snow, slush and mud; and which at best, are a feeble substitute for gravitation. It dispenses with the purchase and subsequent maintenance of horses, sometimes sick and always eating their heads off. It retains the trained experience and approved gallantry of the Fire Department, re-enlisting companies as hosemen. And no matter what its promises, its capability of complete performance may be confidently affirmed. You obtain a head that commands the Technical Institute, the Oread, or the prospective Jaques Hospital: and to save one or all of those Institutions might be worth the entire cost."

Since the above became matter of record, a water main has crawled along Park Avenue, northward; and the right (*are there aught but privileges confluent with water?*) to a new water supply secured, where these Reports so persistently advised, at the sources of Tatnuck Brook. But a chain is no stronger than its weakest link. The value of a water-shed—mill-leeches to the contrary, notwithstanding,—is to be measured by its capacity for retention, rather than the area of reception. The basin that will store up the surplus from a freshet is that for which modern civilization surveys, toils, and submits to onerous taxation. Where the dam and ultimate retention are not practicable, it matters not what may be the volume of a flood, the size of the channel through which it is dissipated, or to howsoever many acres the shoals of Narragansett Bay may have augmented. That Bay, once the resort of Colonial navies, is reduced to a breeding-pen for shell-fish. The influent streams are dammed by the money derived from commerce; their current checked; and the scour from a precipitate down-pour—the efflux of mountain torrents—designed from creation to keep open one of the best harbors on our coast, has been recklessly and greedily arrested. The Federal Government must protect the manufacturer in his especial way of getting gain. The Federal Treasury must pay for dredging the mud that the greed of mill-owners compels to silt over the bed of what should be navigable waters.

Worcester may build a dam that will retain some water, and let more go to waste. The seasons, since its construction, may be unusually wet and favorable. But when a cycle of dry summers recurs, as will surely be the case, it will be too late to regret that the work of enlargement was postponed or dismissed, that this private speculation might be boomed, or that stock lamb cosseted. The distributing, like the storage reservoir, remains in Holden; the eggs being all in one and the same basket, and that long miles from their proper market. Meanwhile, Newton Hill continues neglected and disused; although most happily opposite, and at a higher level than Bell Pond or the Hunt Reservoir, the opposite points of the significant triangle formed by the three.

July 11th, A. D., 1887, a petition, whereof the subjoined is a copy, was referred by the City Council of Worcester to its Joint Water Committee:—

“The undersigned, a committee appointed by the Town of Millbury to consider the question of a water supply for that town, respectfully represent that the plan of constructing water works, which shall be an extension of the works for the supply of the City of Worcester, seems to them a feasible method for the introduction of water into said town, provided the City of Worcester will consent and grant favorable terms for such supply. We therefore respectfully pray that the City of Worcester grant the Town of Millbury the privilege of taking water from the city's supply, through such works as the town may construct, and upon such equitable terms as may be agreed upon between the said City of Worcester and the said Town of Millbury.

(Signed)

GEORGE GEGENHEIMER,
MOSES W. WHEELER,
L. L. WHITNEY,
IRVING B. SAYLES,
GEORGE C. WEBBER,

Committee on Water-Supply for the Town of Millbury.”

What shall be done with that sagacious and far-reaching request of our neighbors a-down the Blackstone? Amuse ourselves with “addition, division, and silence?” Deny their petition and snub them? * Or, illustrate the Golden Rule, after its

* The latter measure of comity has commended itself.

honest meaning, letting Millbury have what we can well spare—for a consideration! With ample dams, for the right to construct which we have had to pay so roundly; and for the construction of which citizens of Millbury prosecute and spare not in almost vindictive reclamation; but which are scarcely more than a mud-sill foundation, as yet; with the enormous volume of water running to waste each spring that ought, in common prudence, to be stored up; with a distributing reservoir upon Newton Hill, in a direct line from Holden Pond to the City Hall; with a superfluity of water, and neighbors suffering from the lack of it; could there be a better opportunity to set our own house in order; to make friends where we have not been wont to look for or to find them; in short, to kill a whole covey of birds with one and the same stone? A half-hearted, piddling policy, can accomplish nothing but individual shame and general disappointment. If we show ourselves alive to all the possibilities of the occasion, we shall develop the present, provide for the future, and, without assuming intolerable burdens or imposing any check upon our municipal progress, lay broader and deeper the foundations of perennial prosperity for this fair city of our love.

When Mayor Knowlton sent Engineer Inches up the valley of Tatnuck Brook, the reply was brought back: There is no water in that region worth saving. And so the matter rested until, by dint of and in consequence of persistent hammering in the Reports of the COMMISSION OF PUBLIC GROUNDS, Engineer Blake opened his own eyes and the scales fell from others. Still, in the profession, may be found here and there, blind leaders of the blind, who fold their hands in an ecstasy of optimism, exclaiming—what would the men have? Did we not lay the foundations of a dam that will reserve a supply for two or three months, if evaporation is but average and it rains occasionally? Have we not got Nipnet Pond full at last? What though new elevators are put on to tap it night and day, without cessation! It rained all last summer, and has snowed throughout the present winter. As it was in the beginning, and is now, shall it not be ever, oh ye of little faith?

To those of limited vision, who may think that water enough is provided for Worcester for a generation; and grunt—who is my neighbor? when Millbury knocks a suppliant, at our doors; may it not be worth while to reflect upon the gratitude with which posterity, upon whose shoulders we seek to impose a fair share of our burden for Parks and Play-Grounds, while in complete enjoyment of those blessings, will appreciate the forethought that ensured to them the other priceless privilege.

“Mark!” they exclaim to each other, a generation hence, “the prescience of those men of A. D., 1888! To their sagacity and courage do we owe it that we now enjoy that charming resort; with a reservoir handy upon its summit to supplement the casualties or deficiencies incident to a remote supply. If they constrained us to aid in the payment, at least they guaranteed to us the worth of our money.”

Shall we accept Providence for a warning? With what are recognized as adequate Water Works; with a Fire Department whose efficiency no one dares or cares to impeach; a Half-Million of substantial property is, as it were in the twinkling of an eye, rolled up like a scroll. The writer invents no fanciful risks. He speaks whereof he knows from actual test. As foreman of hose, for years, he had to await the imperfect service of suction,—by hand-brakes at that,—the Mississippi rolling its full volume but three hundred yards away! What wonder, then, that he should almost worship the illimitable forces of Gravitation that Worcester has been cuffed and kicked into using! Ask that honored veteran,* whose experience in such matters is, of itself, authority, if he would prefer the capacious reservoir upon Newton Hill, with ample (not inadequate, mind you!) distribution, to the elongated main that dribbles out its wasted energies after miles of accretion and diversion,† and learn a lesson from the practical fireman that shall be worth volumes of scientific scoffs. The PARKS-COMMISSION believe that Newton Hill should become a

* *Chief Engineer Combs.*

† A lateral supply to “Willow Farm,” through a two-inch pipe; an equal drain to accommodate other Dairy Farms, of like claims and similar

component part of Elm Park. But did they not also realize that its proper utilization is essential to the salvation of Worcester; in that sure time of dire peril that may be guarded against, but from which the wisest precaution can never make us wholly secure; they would put their months in the dust and forever hold their peace.

Meanwhile,—and until the need of that safeguard becomes too imminent to be deferred longer, let there be secured a free and unrestricted enjoyment of that summit as a place of public resort, where it is now a suffered trespass! A resort that at present, in the bright days of Summer, rivals if it does not surpass the artificial attractions of the adjacent Park. In Winter,—trust the boys and girls to improve its steep slopes, whose sharp declivity may tempt to a renewed trial of the toboggan should our French fellow-citizens succeed in naturalizing that boreal sport. In a city, whose contour is like that of Worcester, there need be no fear that a single acre of Park or Play-Ground will be provided, in excess of the actual popular demand. Every tract of land that has been proposed by the COMMISSION is in positive, though unauthorized, use, even now.

The people of Worcester, who have time and again declared in favor of the plan of Parks and Play-Grounds, substantially as

wants; a twelve (12) inch main for and through Tatnuck village, with its sullen dead end; and the inevitable demand from the Hartshorn and Chamberlain Districts; what though your volume was originally established at twenty-four (24) inches! The pinch and lack comes as you compute the residuum after you have gotten in toward town, beyond June and Flagg Streets, South and North.

Should it be claimed that the HIGH-SERVICE can be extended, thereby obviating the need and uses of a reservoir upon Newton Hill, the answer is conclusive, and pat in such a contention; that the ultimate capacity of NIPNET POND is a fixed quantity, and notorious. That its elevation is unique, denoting the special purposes to which its application may be possible and wise; and for which, therefore, it should be jealously reserved. That resort should never be had to its extreme pressure, so long as adequate service can be had from Holden; to the end that exhaustion may not supervene upon the excessive draught exacted from an intermittent rill and limited storage. Enjoy your omelet, if you will, but reserve one egg, at least, with which to settle your coffee!

proposed by this COMMISSION, may rest assured of one thing. It may be urged in objection to this or that particular tract of land that it can wait; that it is not indispensable to the growth of its peculiar section, or to the welfare of the whole city. But, mark the course of the objectors! Watch those who argue loudly that other needs are more imperative! Observe how they would widen this street, which widening, likely as not, would not impair the value of their individual estates! Note how indispensable to the public prosperity they consider the opening of this or that thoroughfare! Not a moment must be lost, they urge; so fearful are they that the chance once missed, may be forever forfeited. Now, against all this perennial selfishness, weigh the deliberate judgment of men every one of whom claims Worcester for his birth-right; whose private interests are not to be subserved, whatsoever the ultimate decision; who have devoted long years to a thoughtful consideration of this whole matter; and who are unanimous in the conclusion that Worcester is offered the opportunity that presents itself to communities, as to individuals, once in a generation, of securing a precedence among the Cities of the Commonwealth that may never thereafter be challenged. In the past,—her men ever rose superior to the occasion. Shall their children be blind to it, now, when it offers itself in the fairest of aspects and all the brightness of noon-day?

All which is respectfully submitted, by

EDWARD WINSLOW LINCOLN,

Chairman.

Worcester, Massachusetts, }
March 12, A. D. 1888. }

APPENDIX.

From the Inaugural Address of *His Honor Mayor Winslow*,
January 2, A. D. 1888 :

The chapter in the Statutes of A. D. 1882, under which the Parks-Commission was created, provides, under rigid safeguards, for "the issue of a Public-Park loan to an amount not exceeding the sum actually expended for the purchase or taking of lands for a Park or Parks."

I do not leave out of sight the sum of our present indebtedness. But it may be a question whether this timely provision of suitable land for playgrounds and parks, while they can be secured at a fair price, shall continue to be postponed because other demands are forced upon us unjustly and in spite of our earnest protest. Other cities whose future is less assured than our own, are far-reaching and active in this line of development. I am sure that I do not mistake the sentiment of our common constituency when I urge a bold, if careful, consideration of this whole subject.

WORCESTER SCHOOLS.

EXTRACT FROM THE MAYOR'S INAUGURAL ADDRESS.

THE PUBLIC SCHOOLS.

Our Public Schools are conducted by a board, the members of which are directly responsible to the people of the city in the several wards. The mayor is the only member of the board who has the whole city for his constituency and is elected yearly. This direct responsibility is fitting, since no branch of the municipal service comes so near to the hearts of our citizens as do the schools. To them twelve thousand children come from homes, where, for the most part, they are the pride, the hope and the joy of their parents, who are vitally concerned in what so directly affects their offspring. Fortunately the welfare of our school system is not entrusted to any party, or creed, or set of men. In our schools, supported by all, irrespective of nationality or faith, our future citizens are being trained in sentiments of mutual forbearance and respect.

During my two years' service I have been pleased to note the singular absence of friction, both in the meetings of the committee and in the schools themselves. This is due to the readiness with which any substantial ground of complaint can be removed through the agency of the local committee and the earnest purpose of all concerned to do what is best for the cause of education.

The City Council, in the matter of education, is charged with the important duty of providing money and school-houses. The free-text-book law has added about \$15,000 to the yearly expenses, but not without benefit to the schools. The Smead-Ruttan system of heating, ventilating and closets has been introduced into the Dix Street school with satisfactory results so far. Except for minor alterations and repairs, no large outlay for school-houses is expected the coming year.

The increase of the year is shown by the following table :

	1886.	1887.
School Census	13,795	14,048
Pupils Registered, including Evening Schools	13,813	14,479
Average Number belonging to Schools	11,180	11,323
Largest Attendance.	11,039	11,425
In High School.	695	748

ESTIMATE OF EXPENSES.

	Expenditure 1887.	Estimate 1888.
Instruction	\$192,748 79	\$198,700 00
Care of School-houses, Rents and Ordinary Repairs.	35,625 22	36,500 00
Permanent Repairs	8,444 73	6,000 00
Evening Schools.	4,354 54	6,500 00
Total Expenditure.	\$241,173 28	
Less Revenue.	809 87	
	\$240,363 41	
Appropriation asked.		\$247,700 00

ORGANIZATION OF THE SCHOOL COMMITTEE

AND THE PUBLIC SCHOOLS OF THE

CITY OF WORCESTER,

SEPTEMBER, 1887.

SAMUEL WINSLOW, *President.*

ALBERT P. MARBLE, *Sup't and Sec'y.*
492 MAIN STREET.

SCHOOL COMMITTEE.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1888.

Ward.	Residence.	Ward.	Residence.
1. REBECCA BARNARD,	184 Main St.	5. JOSEPH H. KELLEY,	Trumbull Square.
2. CHAS. F. ADAMS,	2 Normal St.	6. ALZIRUS BROWN,	633 Main St.
3. EUGENE M. MORIARTY,	5 Howard St.	7. HENRY L. PARKER,	1022 Main St.
4. DANIEL J. KELLEY,	61 Union Ave.	8. GEORGE SWAN,	3 Irving St.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1889.

Ward.	Residence.	Ward.	Residence.
1. GEO. F. THOMPSON,	4 Agricultural St.	5. PETER J. NIHILL,	37 Washington St.
2. EDWARD F. TOLMAN,	18 Catharine St.	6. WILLIAM H. DEXTER,	3 Charlton St.
3. JOHN B. DRENNAN,	112 Shrewsbury St.	7. EMERSON WARNER,	574 Main St.
4. JOHN J. HUGHES,	8 Pond St.	8. FREEMAN BROWN,	6 West St.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1890.

Ward.	Residence.	Ward.	Residence.
1. WM. T. SOUTHER,	1 Lincoln Square.	5. JOHN B. RATIGAN,	113 Washington St.
2. CHARLES BALLARD,	22 Channing St.	6. GEORGE L. SANFORD,	3 Benefit St.
3. JAMES F. GUERIN,	154 Shrewsbury St.	7. ARTHUR M. TAFT,	3 Brigham St.
4. M. J. F. MCCAFFERTY,	6 Goddard St.	8. JOSEPH F. LOVERING,	93 Elm St.

STANDING COMMITTEES.

ON SCHOOL-HOUSES.—Messrs. A. Brown, McCafferty, F. Brown, Nihill and Ballard.

ON BOOKS AND APPARATUS.—Messrs. Parker, Moriarty, Sanford, Adams and Taft.

ON TEACHERS.—The Superintendent, *ex-officio*; Messrs. Swan, Parker, Drennan, Tolman and Ratigan.

ON APPOINTMENTS.—The Superintendent, *ex-officio*; Miss Barnard and Messrs. Souther, Hughes, Ballard and Guerin.

ON FINANCE.—The Mayor, *ex-officio*; Messrs. Thompson, Warner, Daniel J. Kelley, Dexter and Joseph H. Kelley.

The Committee of Visitation shall exercise a general supervision over the schools to which they are severally assigned, and shall visit them not less than once in four weeks, and report their condition at the monthly meeting of the board.—[Rules, Chap. 3, Sec. 6.

Though each school is assigned to a special committee, yet every member of the board shall consider it his duty to watch over and visit all the public schools of the city, as his convenience will permit.—[Sec. 7.]

VISITING COMMITTEES.

HIGH SCHOOL.

Messrs. Swan, Warner, Parker, Souther, Drennan, Miss Barnard, Moriarty and Adams.

TEACHERS.

Alfred S. Roe, Principal.		
A. Carey Field,	Rachel L. Moore,	Florence Snow,
William F. Abbot,	Mathilde de Maltchycè,	Benj. B. Holmes,
Joseph H. Perry,	Frank L. Mellen,	Helen M. Parkhurst,
Edward M. Woodward,	Nellie M. White,	Irene P. Huse,
Mary P. Jefts,	Sally H. Delano,	Annie M. Russell,
Jennie I. Ware,	Carrie P. Townsend,	Sarah Brigham.

The ROMAN NUMERALS designate the ROOMS to which members of committees are specially assigned, and the GRADES according to the course of study.

BELMONT STREET.

COMMITTEE.	TEACHERS.	GRADE.
Dexter,	Arthur G. Lewis, Principal.	
Dexter,	Emma C. McClellan, Assistant,	IX
Dexter,	Mary H. Warren,	IX
Dexter,	Sarah E. Rogers,	VIII
Dexter,	Grace R. Everett,	VIII-VII
Dexter,	Sarah L. Phillips,	VII
Adams,	Jennie L. Dearborn,	VI
Adams,	Tirzah S. Nichols,	VI
Adams,	Esther G. Chenery,	V
Adams,	Emma E. Hayward,	V
Ballard,	Mattie A. Collins,	IV
Ballard,	Carrie A. Smith,	IV
Ballard,	Mary T. Gale,	III
Ballard,	Anna M. Waite,	III
A. Brown,	Addie T. Gauren,	II
A. Brown,	Maud L. Davis,	II
A. Brown,	Lilla F. Upton,	II
A. Brown,	Hattie B. Andrews,	I
A. Brown,	Ella J. Emerson,	I

DIX STREET.

COMMITTEE.	TEACHERS.	GRADE.
Lovering,	James Jenkins, Principal.	
Lovering,	Carrie L. Paige, Assistant,	IX
Lovering,	Mary A. Hayward,	VIII
Lovering,	Mattie Howe,	VII
Lovering,	Minnie W. Sherman,	VI
F. Brown,	Nellie F. Lindsay,	V
F. Brown,	Susie W. Forbes,	IV
F. Brown,	Alice W. Giddings,	III
Dexter,	Harriet Lightbourn,	II
Dexter,	Maria F. Bosworth,	I

SUNNYSIDE.

COMMITTEE.	TEACHERS.	GRADE.
Dexter,	Mary A. Morrissey,	VI-IV
Dexter,	Carrie A. Thompson,	III-I

WINSLOW STREET.

COMMITTEE.	TEACHERS.	GRADE.
Ballard,	J. Chauncey Lyford, Principal.	
Ballard,	Sarah M. Averill, Assistant,	IX
Ballard,	Mary A. Drake,	VIII
Ballard,	Jessie M. Nichols,	VII
Ballard,	Eva E. Stone,	VI
Drennan,	Octavia H. Vaughan,	V
Drennan,	Julia E. Greenwood,	V
Drennan,	Ella E. Goddard,	IV
Drennan,	Ida M. McCambridge,	IV
J. H. Kelley,	Emma G. Goodwin,	III
J. H. Kelley,	Hattie L. Partridge,	II
J. H. Kelley,	A. Calista Hale,	I

CHANDLER STREET.

COMMITTEE.	TEACHERS.	GRADE.
Miss Barnard,	William H. Bartlett, Principal.	
Miss Barnard,	Clara Manly, Assistant,	IX
Miss Barnard,	Jennie L. Higgins,	VIII
Miss Barnard,	Helena M. Kalaher,	VII
Miss Barnard,	Nettie A. Murray,	VI
Hughes,	Mary E. Convery,	VI-V
Hughes,	Eliza J. Seaver,	V
Hughes,	Harriet E. Maynard,	IV
J. H. Kelley,	Anna M. Murray,	III
J. H. Kelley,	Mary L. Haselden,	II
J. H. Kelley,	D. Isabell Newbury,	I
J. H. Kelley,	Ada E. Mason,	
J. H. Kelley,	Carrie L. Maynard,	

WOODLAND STREET.

COMMITTEE.	TEACHERS.	GRADE.
Parker,	Joseph Jackson, Principal.	
Parker,	Alice E. Meriam, Assistant,	IX
Parker,	Marietta Knight, “	IX
Parker,	Ann S. Dunton,	VIII
Parker,	Mary M. Lawton,	VIII-VII
Parker,	Carrie R. Clements,	VII
Miss Barnard,	Martha T. Wyman,	VI
Miss Barnard,	Emma F. Brown,	VI-V
Miss Barnard,	Susie A. Partridge,	V
Miss Barnard,	Sarah J. Melanefy,	IV
D. J. Kelley,	M. Rosalie Goddard,	IV
D. J. Kelley,	Maggie I. Melanefy,	III
D. J. Kelley,	Carrie F. Meriam,	III
D. J. Kelley,	Maggie A. Flaherty,	II
Lovering,	Emma Buckley,	II
Lovering,	Carrie A. Hildreth,	I
Lovering,	Cora A. Cooley,	I

WASHINGTON STREET.

COMMITTEE.	TEACHERS.	GRADE.
Souther,	Charles T. Haynes, Principal.	
Souther,	Ida L. Gaskill, Assistant,	IX
Souther,	M. Louise Rice, Assistant,	IX

LEDGE STREET.

COMMITTEE.	TEACHERS.	GRADE.
D. J. Kelley,	Charles C. Woodman, Principal.	
D. J. Kelley,	Margaret M. Geary, Assistant,	IX
D. J. Kelley,	Emma L. Cowles,	VIII
D. J. Kelley,	Maria P. Cole,	VIII-VII
Moriarty,	Kate A. McCarthy,	VII
Moriarty,	Daniel H. Casey,	VI
Moriarty,	Alice G. McMahon,	VI
Moriarty,	Frances M. Athy,	V
Sanford,	L. Elizabeth King,	V
Sanford,	Mary E. D. King,	IV
Sanford,	Fanny A. Williams,	III
Sanford,	Carrie E. Howe,	III-II
Sanford,	Hannah M. Kickham,	II-I
Sanford,	Mary E. Joyce,	I

MILLBURY STREET.

COMMITTEE.	TEACHERS.	GRADE.
Moriarty,	Francis P. McKeon, Principal.	
Moriarty,	Ella J. Lyford, Assistant,	IX
Moriarty,	Mary A. Rourke,	VIII-VII
Moriarty,	Elida M. Capen,	VII-VI
Taft,	Hannah Sheehan,	V
Taft,	Hattie S. Putnam,	IV
Taft,	Carrie H. Wilmarth,	III
Warner,	Mary L. Gafney,	II
Warner,	Julia A. Riley,	I
Warner,	Julia A. Quinn,	I

THOMAS STREET.

COMMITTEE.	TEACHERS.	GRADE.
Thompson,	Harriet G. Waite, Principal.	
Thompson,	Anna P. Smith, Assistant,	VIII
Thompson,	John E. Lynch,	VII
Thompson,	Mary E. Fitzgerald,	VI
McCafferty,	Hattie G. Gates,	V
McCafferty,	Mary E. Houghton,	V-IV
McCafferty,	Ella A. Casey,	III
Nihill,	Belle H. Tucker,	III-II
Nihill,	Addie E. Sprague,	II
Nihill,	Nellie M. Rood,	I
Nihill,	Jennie C. Clough,	I

EDGEWORTH STREET.

COMMITTEE.	TEACHERS.	GRADE.
F. Brown,	Ella E. Roper, Principal,	VII
F. Brown,	Anna T. Cavanaugh,	VI
F. Brown,	Abbie A. Wells,	V
F. Brown,	Louise F. Clark,	IV
Ratigan,	Lucia N. Jennison,	IV
Ratigan,	Fransess D. Martin,	III
Ratigan,	Lilla Ingalls,	II
Ratigan,	Estella V. Rolston,	I
Ratigan,	Selma P. Ahlstrom,	I

WALNUT STREET.

COMMITTEE.	TEACHERS.	GRADE.
J. H. Kelley,	Nellie C. Thomas, Principal,	VIII
J. H. Kelley,	Kate A. Meade,	VII
J. H. Kelley,	Ella M. Macfarland,	VI
J. H. Kelley,	Mary L. Norcross,	V
Swan,	Kate A. Coughlin,	IV
Swan,	Mary E. McCormick,	III-II
Swan,	Mary L. Seavey,	I

OXFORD STREET.

COMMITTEE.	TEACHERS.	GRADE.
McCafferty,	Ella L. Dwyer, Principal,	VIII
McCafferty,	Mary A. Hathaway,	VII
McCafferty,	Lucy Lewisson,	VI
McCafferty,	Mary F. Harrington,	V
Parker,	Mabel B. Tew,	IV
Parker,	Mary F. Barker,	III
Parker,	Florence S. Waite,	II
Parker,	Catherine T. Nevins,	I

SYCAMORE STREET.

COMMITTEE.	TEACHERS.	GRADE.
Nihill,	Charlotte H. Munger, Principal,	VIII
Nihill,	Janet Martin,	VII
Nihill,	A. Teresa Timon,	VI
Nihill,	S. Lizzie Carter,	V
Thompson,	Hattie S. Hagen,	IV
Thompson,	Sarah W. Clements,	III
Thompson,	Ida A. E. Kenney,	II
Thompson,	Eliza J. Day,	I

FREELAND STREET.

COMMITTEE.	TEACHERS.	GRADE.
A. Brown,	M. Ella Spalding, Principal,	VIII
A. Brown,	Emma M. Plimpton,	VII
A. Brown,	Ida F. Buxton,	VI
A. Brown,	Madge H. Coughlin,	V
A. Brown,	Myra H. Baker,	IV
Tolman,	Jennie M. Tainter,	III-II
Tolman,	Addie T. Banister,	I

NEW WORCESTER.

COMMITTEE.	TEACHERS.	GRADE.
Tolman,	Georgianna M. Newton,	IV-III
Tolman,	Anna B. Ranger,	II
Tolman,	Rebecca H. Davie,	I

SOUTH WORCESTER.

COMMITTEE.	TEACHERS.	GRADE.
Hughes,	Carrie A. George, Principal,	VIII
Hughes,	Ellen M. Boyden,	VII
Hughes,	Edward A. Quinland,	VI
Hughes,	Mary O. Whitney,	V
Hughes,	Lydia W. Ball,	IV
Lovering,	Nellie Hinsley,	IV-III
Lovering,	Mary C. Paige,	III
Lovering,	Maggie A. Mahony,	II
Lovering,	Mary McBride,	I

QUINSIGAMOND.

COMMITTEE.	TEACHERS.	GRADE.
Tolman,	Richard H. Mooney, Principal,	VIII-VII
Tolman,	F. May Prentice,	VI
Tolman,	Annie W. Newell,	V
Tolman,	Jeannie E. Sanderson,	IV
Nihill,	Mary A. Winter,	III
Nihill,	Alice V. Phelps,	II
Nihill,	Mary G. Smith,	II-I
Nihill,	Carrie M. Sweetzer,	I

PROVIDENCE STREET.

COMMITTEE.	TEACHERS.	GRADE.
Souther,	Benj. W. Kinney, Principal,	VIII
Souther,	Thomas J. Higgins,	VII
Souther,	Anna G. Foley,	VI
Souther,	Julia A. Bunker,	V
Swan,	Margaret F. Hagan,	IV
Swan,	Sarah J. Newton,	III
Swan,	Mary C. Smith,	II
Swan,	Margaret L. Walsh,	I

GAGE STREET.

COMMITTEE.	TEACHERS.	GRADE.
Drennan,	Ella W. Foskett, Principal,	VIII
Drennan,	Nellie F. Saunders, Assistant,	VII-VI
Drennan,	Annie Brown,	VI
Drennan,	Jennie E. Maloney,	V
Drennan,	M. Ella Clark,	V
Adams,	Marion C. Tucker,	IV
Adams,	Kate C. Cosgrove,	IV
Adams,	Sarah W. Hay,	IV
Adams,	Mary J. O'Connor,	III
Thompson,	Maggie E. Magone,	III
Thompson,	Ellen F. Fallon,	II

EAST WORCESTER.

COMMITTEE.	TEACHERS.	GRADE.
Guerin,	Anna T. Kelley,	II
Guerin,	Nellie G. Gillicuddy,	I
Guerin,	Mary A. Carney,	I

LAMARTINE STREET.

COMMITTEE.	TEACHERS.	GRADE.
Swan,	Owen H. Conlin, Principal,	
Swan,	Emma P. Brewer, Assistant.	VII
Swan,	Mary J. Sullivan,	VI
Swan,	Louise A. Dawson,	V
Swan,	Aloysia Radcliffe,	V
Swan,	Ellen T. Shannon,	IV
Taft,	Mary E. Russell,	IV
Taft,	Mary A. McGillicuddy,	III
Taft,	Abbie F. Hemenway,	III
Taft,	Ellen G. Daley,	II
D. J. Kelley,	Agnes J. O'Gorman,	II
D. J. Kelley,	Mary C. Morrissey,	I
D. J. Kelley,	Annie G. Thompson,	I
D. J. Kelley,	M. Jennie Hart.	

ADRIATIC.

COMMITTEE.	TEACHERS.	GRADE.
Ratigan,	Emma A. Porter, Principal,	VII-VI
Ratigan,	Eudora E. Hay,	VI-V
Ratigan,	Elizabeth E. Chapin,	V
Ratigan,	Abby B. Shute,	IV
F. Brown,	Cora A. Baldwin,	III
F. Brown,	Mary M. Bowen,	III-II
F. Brown,	Etta T. Whalen,	II
Dexter,	Alice L. Bainbridge,	I
Dexter,	Mary J. Campbell.	

ASH STREET.

COMMITTEE.	TEACHERS.	GRADE.
Warner,	Mary J. Mack, Principal,	VI
Warner,	Mabel Piper,	V
Warner,	Nelly F. Monroe,	IV
Hughes,	Kate A. Fallon,	III
Hughes,	Sarah A. Boyd,	II
Hughes,	Marina H. Tucker,	I

GRAFTON STREET.

COMMITTEE.	TEACHERS.	GRADE.
Guerin,	Bridget T. Carlon, Principal,	V
Guerin,	Kate A. McLoughlin,	IV
Guerin,	Margaret J. McCann,	III
Souther,	Carrie M. Adams,	II
Souther,	Katharine A. Hackett,	I
Souther,	Minnie A. Davis,	I

SUMMER STREET.

COMMITTEE.	TEACHERS.	GRADE.
Sanford,	Mary A. Gauren, Principal,	V
Sanford,	Elma L. Studley,	IV
Sanford,	Anna T. Smith,	III
Sanford,	Alice Chapin,	II
Sanford,	Agnes R. Stewart,	I

SALEM STREET.

COMMITTEE.	TEACHERS.	GRADE.
Taft,	Minnie F. Whittier, Principal,	IV
Taft,	Mary O. Whitmore,	III
Taft,	Addie M. Blenus,	II
Taft,	Nellie J. Carlon,	I

UNION HILL.

COMMITTEE.	TEACHERS.	GRADE.
McCafferty,	Etha M. Stowell, Principal,	IV-III
McCafferty,	Anna D. Stowell,	II-I

MASON STREET.

COMMITTEE.	TEACHERS.	GRADE.
Drennan,	Mary E. Pease, Principal,	II
Drennan,	Effie L. Bennett,	I

SUBURBAN.

COMMITTEE.	PLACE.	TEACHERS.
Miss Barnard,	Northville,	Joanna F. Smith.
Ballard,	Tatnuck,	Edith M. Harding.
		Myra N. Moore, Asst.
Warner,	Jamesville,	Ada D. Saunders.
J. H. Kelley,	Blithewood,	Susan R. Hartwell.
Guerin,	Bloomingtondale,	Lizzie M. Urban, VIII-V
Guerin,	Bloomingtondale,	Josephine E. Bauer, IV-I
Souther,	Adams Square,	Olive G. Davidson.
Souther,	Adams Square,	Edith M. Rolston.
A. Brown,	Burncoat Plain,	Hattie L. White.
Tolman,	North Pond,	Etta M. Thayer.
Tolman,	Chamberlain,	Fanny R. Spurr.
Guerin,	Lake View,	Minnie A. B. Chase, VIII-V
Guerin,	Lake View,	Hattie M. Ruggles, IV-I
Warner,	Valley Falls,	Ann Foksett, VI-I
A. Brown,	Greendale,	A. Louise Penniman.

DRAWING.

TEACHER.

Jeanie Lea Southwick.

Annie N. Sinclair, Assistant, High School.

COMMITTEE.

Messrs. Parker, Tolman, J. H. Kelley, Taft and Ballard.

MUSIC.

TEACHER.

Seth Richards.

COMMITTEE.

Messrs. Lovering, D. J. Kelley, Drennan, Miss Barnard and Adams.

EVENING SCHOOLS.

COMMITTEE.

Miss Barnard, Messrs. Thompson, McCafferty, Moriarty, Souther, Guérin,
F. Brown, Hughes and Ballard.

TRUANT OFFICERS.

Henry E. Fayerweather, 105 Summer St. Michael J. English, Brackett Ct.

SUPERINTENDENT'S REPORT.

To His Honor the Mayor, and the School Board of Worcester:

In conformity to your regulations, I submit the following as my Twentieth Annual Report; and by these regulations this report, which it is the duty of the Superintendent to prepare, becomes the Report of the School Board to the public, and the school authorities of the State.

ABSTRACT OF STATISTICS, FOR THE YEAR 1887.

I. POPULATION.

Population, Census of 1885	68,383
Population Jan. 1, 1888	78,937
Children between the ages of five and fifteen, May, 1887 .	14,048

II. FINANCIAL.

Valuation, May, 1887	\$59,465,575 00
Increase for the year	4,868,986 00
City Debt, December, 1887, less Cash and Sinking Fund .	1,967,352 70
State, city and county tax, 1887	1,050,114 73
Rate of taxation	\$.017
Value of school-houses and lots	1,026,650 00
Other school property	124,241 45
*Ordinary expense of day schools	227,653 14
Per cent. of same to valuation . . . . .	.0038
Per cent. of same to whole tax . . . . .	.21+
Repairs of school-houses, furniture and stoves	9,986 20
	<hr/>
	\$237,639 34

*See detailed statement in Secretary's report.

New furniture	\$652 65	
Windows at Belmont St	184 67	
Alterations, and heating at Dix St.	7,580 41	
		<hr/>
	\$8,417 78	
Cost of evening schools		4,265 54
		<hr/>
Expended for all purposes		\$240,363 41
Average cost per scholar for day schools, including ordinary repairs.		\$21 19
Average cost for all schools, including ordinary repairs		20 87
Same last year	\$20 07	
Cost of evening schools		4,265 54
Average per scholar	11 17	
Cost of evening drawing schools		1,414 65
Average per scholar	8 43	
Cost of High School.		26,728 62
Decrease.	112 69	
Average per scholar.	39 51	
Decrease.	2 53	
Expended by City Council for new school-houses.		23,320 98

III. SCHOOL-HOUSES.

Number occupied December, 1887	47
Rooms, not including recitation rooms.	285
Drawing-school rooms, recitation and evening-school rooms, additional	4
Whole number of sittings :—	
In High School.	736
Grammar schools, Grades IX.—VI.	3,577
Grammar schools, Grades V.—IV.	2,942
Primary rooms, Grades III.—II.—I.	5,277
Suburban schools.	679

IV. SCHOOLS.

High School rooms	19
Grammar rooms, Grades IX.—VI.	70
Grammar rooms, Grades V.—IV	59
Primary rooms, Grades III.—II.—I	97
Suburban schools.	15
Northville, Tatnuck, Valley Falls, Jamesville, Blithewood, Bloom- ingdale (2), Adams Square (2), Burncoat Plain, North Pond, Chamberlain, Lake View (2), Greendale.	
Evening Schools :—	
Belmont Street, Dix Street, South Worcester, Providence Street, New Worcester and Quinsigamond, for both sexes	10
Washington Street, Lamartine Street and East Worcester, for boys; Walnut Street, for girls.	
Free Evening Drawing Schools, both sexes.	6

V. TEACHERS.

Male teachers in High School	9
Female teachers in High School	11
Male teachers in Grammar Schools	15
Female teachers in all grades below the High School	242
Special teacher of Music, male	1
Special teachers of Drawing, females	2
Number of teachers in Day Schools	280
Graduates of the Worcester Training School, or of a State Normal School	191
Male teachers in Evening Schools	23
Female teachers in Evening Schools	23
Teachers in Free Evening Drawing Schools, male	6
<hr/>	
Whole number of teachers	332

VI. PUPILS.

Census of children 5 to 15, May, 1887	14,048
Number registered in Day Schools	13,649
Increase	386
In Evening Schools	613
In Free Evening Drawing Schools	217
<hr/>	
Number registered in all the schools	14,479
Increase	666
Number over 15 years old	2,449
Increase	333
Estimated number attending in private schools	2,500
Pupils in State Normal School, this city	164
Average number belonging to public day schools	10,774
Increase	23
Average daily attendance in day schools	9,726
Increase	245
Average daily absence	1,048
Decrease	222
Number at close of Fall term, 1886	11,019
At close of Winter term, 1886-87	10,734
Increase from last year	90
At close of Spring term	10,634
Increase	188
At close of Summer term	10,343
Increase	191
At close of Fall term	11,425
Increase	406
Per cent. of daily attendance to average number belonging	90.2
Increase	2.

Number perfect in attendance the whole year		212
Increase	96	
Perfect three terms		546
Perfect two terms		892
Perfect one term		2,248
Number registered in High School*		1,038
Increase	79	
Boys		514
Increase	54	
Girls		524
Increase	25	
Number at the close of the year		748
Increase	53	
Number of graduates, June, 1887		105
Number left the school		166
Average number belonging		676.5
Average daily attendance		655.3
Average daily absence		212
Per cent. of daily attendance to average number belong- ing		97.1
Average age of pupils, January 1, 1888		16.7
Average number of pupils to a regular teacher		33.8

THE BULLOCK HIGH SCHOOL LIBRARY AND APPARATUS FUND.

OFFICE OF THE CITY TREASURER,
WORCESTER, MASS., December 19, 1887. }

To A. P. MARBLE, Esq.,

Supt. of Schools.

SIR :

As Treasurer, *ex-officio*, of the Bullock High-School Fund, the undersigned presents the following statement of receipts and payments, on account of said fund, during the financial year ending on Wednesday, Nov. 30, 1887.

Balance, December 1, 1886,	\$1,503 39
Receipts during the year,	60 06
Total,	\$1,563 45
Payments during the year,	36 69
Balance, November 30, 1887,	\$1,526 76

*The year includes both the graduating and the entering class.

The receipts were for dividends on sundry savings bank deposits, held in the name of the City of Worcester, Trustee, and the payments were on account of books purchased for the High-School Library.

Respectfully Submitted,

WM. S. BARTON,

City Treasurer.

NOTES ON THE STATISTICS.

The school census has increased by 253. The increase in the school registration has been 666 for all the schools; and for the day schools alone this increase is 386. The ordinary expense of day schools has increased by \$18,253.75, while the per cent. of this expenditure to the valuation remains unchanged. The per cent. of school expenditures to the whole city tax has increased by about .005.

The cost per scholar for day schools, including ordinary repairs, is larger by .76; and for all the schools this increase is .80. This increase is due in part no doubt, to the cost of text-books. The cost of evening schools has advanced by \$371.26, while the cost per pupil, owing to the larger attendance, has fallen from \$13.71 to \$11.17. In the evening drawing schools on the other hand, the cost has advanced by \$267.19, while the cost per pupil has risen from \$7.88 to \$8.43. In the High School the cost has decreased by \$112.69; and the average cost per pupil has fallen from \$42.04 to \$39.51.

The amount expended for new school-houses is \$23,320.98. This includes a part of the cost of the new house, not yet completed, at Adams Square, and the cost of the new house at Jamesville.

There are 280 teachers in the day schools, an increase of three; and of these 191 are graduates of some Normal school. There are 46 teachers in the Evening schools; but part of them are not employed all of the four months during which the schools are in session. Only six teachers are employed in the evening drawing schools.

The average number of pupils belonging to the day schools is only 23 in excess of last year. This is a different figure, it is to be noted, from the entire registration; the latter including those pupils who work, out of school, a part of the year. The daily attendance has increased by 245; and the number at the close of the Fall term, 1887, is larger by 406 pupils. Of course this large attendance at a given time is the standard for which teachers and rooms must be provided. The per cent. of daily attendance to the average number belonging to the schools is 90.2, an increase of 2 per cent. That is to say, nine out of every ten pupils are present at school every day. Considering the various causes, sickness, and other duties, which necessarily detain pupils from school occasionally, the attendance is on the whole quite satisfactory. No doubt there are pupils here and there who are absent unnecessarily; and these ought to be spurred to greater punctuality. But, on the other hand, it should be borne in mind that there are times when it is the duty of the child to be absent from school; and the spurring should not be allowed to affect him.

COMPULSORY ATTENDANCE.

The means for compelling the attendance of pupils at school are as complete as they can well be made. The law enjoins this attendance, or an equivalent, between the ages of eight and fourteen. Children cannot obtain the necessary certificate which allows them to be employed, without this attendance; and two efficient truant officers are employed to look after the delinquents. And further, the parent or guardian who neglects to send a child to school is liable to a fine; and the employer of a child without the school-certificate is also finable.

With a certain small class of pupils these means are necessary and effective in securing their attendance; and by the use of these means these children are compelled to stay in school when they would rather be at play, or ranging about the street; and these, after a time, often learn to love the school and no longer need the restraint.

THE CHIEF RELIANCE.

But with all these appliances for securing school attendance, the chief reliance is the influence of the teacher in making the exercises of the school profitable and pleasing, and the influence of the parents who desire for their children the best that is within their reach. To these influences, the good attendance is chiefly due. And the influence of the teacher is not directed specially to this end; it is not by doing things for the mere purpose of interesting pupils that interest is secured. It is rather by so presenting the subjects of study that they will enter the minds of the children and stimulate thought and mental activity. Picture-books, stories, games, sports and all sorts of amusements—these for the purpose of occasional variety or relief from too much strain may be useful; but their influence is short-lived; they soon become irksome; the novelty disappears; and when it dawns upon a child that he is being entertained merely, he loses interest in the very employments which attracted him when they were new. These things like condiments should be used sparingly.

On the other hand real solid work, hard study, and the real business of the school will most interest and attract pupils, if only the subjects of study are adapted to the age and capacity of the child, presented in the right way, and given in suitable amount. It is not interesting to a child, and it is not profitable, to sit with little to do, and to look on, while the teacher does all the work for him—or attempts to do it all, for he cannot really do it. Such a course, too much advocated by certain excellent people, is better adapted to secure intellectual laziness than to produce mental growth. The whole effort and aim of the teacher is, in all he does, to so present the subject of study, to so illustrate it, to so adapt it to each member of his class, that the pupil will apprehend the underlying thought and act for himself; and as soon as a child perceives the pleasing activity of his own thought, and discerns the product of that thought, there is a conscious pleasure to him in this activity, not less real and not less enticing than the gratification there is to a child in the bodily activity which displays itself in play. The important aim is to secure this pleasurable and attractive mental activity. Herein consists the

very acme of the teacher's art. This result may never be completely attained; and this is only saying that there are but few teachers who are perfect; but the result may be approximated; and to such an approximation among our teachers, is due the good attendance at school and the fair degree of progress which the children are making.

It may be worth the while to illustrate the kind of interest which is here referred to, by specific examples—not that any example can be followed literally; nor that any rules can be laid down; but that the principle may be understood.

In the elementary geometry there is a famous proposition—the *pons asinorum*—to prove that the square of the hypotenuse of a right angled triangle equals the sum of the squares of the two sides. By dint of hard study, drudgery, mental toil, a student once learned to demonstrate this proposition, and the only delight he felt was the joy of victory in overcoming a difficulty. Later he discovered a method of proof, quite different from the first, by which the same proposition could be demonstrated; this was a surprise and a delight to him; he then sought other proofs, not only of this proposition, but different proofs for others. It thus happened that the surprise into which his teacher had led him illumined and lent a charm to the study of geometry which it never lost for him; and it set his mind at work as it had never worked before. The study was no longer dry; the boy never wanted to skip that lesson any more.

It is not in the study of geometry alone that such a revelation occurs under the stimulus of good teaching; in geography, in English grammar, in arithmetic, in history, and even in elementary reading, the same thing is happening; and any good teacher will recall the bright scintillations of awakened intelligence which have almost daily greeted the faithful and judicious presentation of any subject, to almost any class, and in every school. One day it will be one pupil, and another the next, and the oftener it has happened before in case of any child, the oftener it is likely to occur again. And there are thousands of children in this city who have such an intelligent interest in their studies that they will not willingly be absent from school even when

they are sick ; and they weary their parents, and wear out all the family cyclopædias with the questions which these studies call forth.

There is no study in our schools which need be dry, uninteresting or unprofitable ; and none of them are so generally, because generally the studies are well taught.

THE TEACHER MAKES THE SCHOOL.

The word of praise implied in the last paragraph will doubtless be remarked with contempt by a class of people whose main stock in trade is disparagement of the public schools. Those people are accustomed to point out certain deficiencies in knowledge, or in ability to do, in individual pupils. Sometimes they will propound a set of questions in arithmetic, in grammar, in geography or history—subjects which young children have studied more or less—and then they will parade the tables of per cents, as if that were a criterion of what the schools are doing in developing the mind, and in upbuilding the character of children ; and as if all the deficiencies so shown would prove that the school system is wrong, and that it ought to be reformed, after the plan of the individual critic. Especially severe are these critics upon any one who does not join in the hue-and-cry against the schools, or who sees in them great value and usefulness, while admitting and seeking to cure their defects or deficiencies. When we are told that the “ schools have sown the seed, not of moral health, but of civil death,” it is time for some one to utter a protest ; and that kind of talk forms the staple of certain writers and speakers who have the ear of the public to some extent ; and, unfortunately, even educational journals assuming to be in the interest of public education, sometimes make that kind of talk the chief burden of their song.

Now if there is any duty of a school committee or a superintendent of schools which far outweighs all others, it is to secure an able and faithful corps of teachers. In doing this, professional training, either in a normal school or in the wide school of experience and earnest observation, should be taken into the account ; earnestness, sincerity, and tact, or natural aptitude for the work of teach-

ing, should also be sought; and above all, a high moral character and purpose, and a real interest in the welfare of children, a love for them which will treat with leniency their failures, and greet with gladness all their little successes, ought to be secured. And in getting this kind of teachers mere professional knowledge on the part of those whose duty it is to make the selection is not enough. A man may have a profound knowledge of all educational philosophy, a wide familiarity with the best methods and the art of teaching, and yet if his heart is cold, he may apply all his tests to the candidates and make poorer selections than could be made by the mother of a family, destitute of most of this professional knowledge. It is possible for one who is not a Greek scholar to select a good teacher of Greek; many a man who could not himself teach may be able to recognize good teaching when he sees it. The greatest safeguard, however, in the selection of teachers is that this important duty is not left to any one man; the selection is here made by a committee of six, whose various qualifications supplement and reinforce each other.

When a good teacher has been put in charge of a school, the work is his; the chief responsibility is his; and his methods should be interfered with as little as is consistent with that unity which a large system of schools must have. There must be a certain uniformity where pupils must constantly be transferred from grade to grade, and frequently from school to school of the same grade. Certain portions of a subject, arithmetic for example, must be assigned to a certain class, and definite general results of the teaching must be insisted on. But all this is only a small part of the real work of the school. That work is the mastery of the part of a subject taught; the making it a part of the pupil's self; the mental grasp and expansion which so much of the study ought to give the pupil; above all, the influence which that stage of the pupil's progress ought to have upon his character; the teaching of self-reliance, of bravery in the face of discouragement, of modesty in success, of truthfulness where there is a temptation to make an apparent gain by deception and fraud—the morality, in short, which there is in the study of arithmetic or grammar, where the main purpose is to be true, and to plant

one's feet upon real knowledge, and not to be satisfied with its semblance. This suggests the real work of the teacher, a work which can not be measured or computed by per cents; a work whose presence can not always be noted, and whose absence can not always be detected; a work which proceeds from the heart of the teacher, whose reward is not in this world; a work which would be spoiled by the very thought of reward; a work whose result is so far-reaching in human character and destiny that not only it cannot be measured in per cents or by any petty Norfolk county examinations, but that result can not even be traced except in a general way in the schools; much less can the result be detected and pointed out among the thousand influences that affect the future life of a pupil. The result is nevertheless there.

Now, many of our teachers exert such an influence through their teaching either consciously or unconsciously—most likely the latter—and to a surprising extent. There can be no doubt about it. And it is fondly hoped that all of them exert such a good influence to some extent, and that the degree is on the increase with each succeeding year.

When a little boy, poor and clothed in rags, who sells papers on the street in cold and rain to make one cent apiece to help support his widowed mother and his smaller brothers and sisters, there is a spirit worthy to be encouraged; when, now, such a boy picks up a well-filled pocketbook on the street where no eye sees him, and follows to return it to the owner; and when that boy's moral training is directly traceable to a school, even though no religion is taught, and no specific moral lessons form a part of the programme, who will say that there is no character-training in the schools? And this is one of many instances of like character which have happened in Worcester. Another instance. In the schools of this city, years ago, a little girl caught her dress on fire at the stove. The flames burst out, and the teacher, at the imminent risk of her own life, sprang forward and saved the little girl. In recognition of this act of heroism, appropriate action was taken formally by the School Committee. Other acts equally heroic, but unheralded and unknown, are happening every day in our schools. To quietly rescue an innocent child

from contamination at the risk of a smirch upon her own reputation, so dear to a delicate lady, is not less heroic. To sacrifice care and comfort in promoting the welfare of the children, and to work unceasingly and conscientiously, with no eye to see and no voice to applaud, except the voice of conscience and the eye of God, this is moral heroism; and the heroism becomes the brighter when others less worthy, perhaps, are recognized and rewarded. In Dakota this winter a teacher carried to shelter from the blizzard her little charge. She lost both her feet; they were frozen; and like Grace Darling, she has received public recognition. But she is only the representative of her class, the unknown heroes and heroines who are forming the future America in the public schools. Besides the regular work in the school curriculum, there is done in these schools a work as imperceptible and as pervasive as the sunlight, and as little traceable. And when a man says he wants to "renew his solemn plea in behalf of children, it is time for us to do justice to them, justice which is the sweetest of mercies. It is time for us to say with unfaltering purpose, little children shall no longer work that men and women may live in idleness," as if the public schools were somehow guilty; in view of the real facts, such an utterance makes one's hair to rise with indignation, as the ghostly phantom of a dream will make the hair to stand in fright.

THE HIGH SCHOOL.

This school is the apex of the system. It is the "bright consummate flower" of the common school education; the epitome of all to which the system tends. Its utility is not measured by what it does for the pupils who reach it. It is valuable also and perhaps chiefly for its influence upon the lower schools in stimulating the pupils below, to higher advancement. It is the goal to which they look. It is an essential feature of a system which aims to be self-perpetuating, since it is indispensable in the preparation of teachers, unless indeed that class of workers is to be recruited only from the ranks of the well-to-do citizens who can pay for such advantages. The argument that because the High School to some extent educates teachers professionally, therefore

every trade and every employment should have its higher preparation at the public expense, fails in this : that this school is necessary for the system itself while the others are not thus necessary. And the claim sometimes heard, that public education need not go so far, is refuted by the consideration that a few well-educated people are as essential to the welfare of a community as it is that all should be fairly educated. This school is now larger than ever before in its history. It has kept pace with the growth of the city and the increase of the other schools. This gives evidence that it substantially meets the requirements of the community. With more than seven hundred pupils and with a corps of twenty teachers, and with three parallel courses of study including both sexes, it has nevertheless gone on without friction or any unnecessary excitement. The pupils are young gentlemen and ladies. They alone are an answer to any carping criticisms about the bad tendency of modern education. They attend to business with an earnestness which would do credit to people much older ; and they behave themselves in their school much better than we of a former generation did.

The graduating class including those who left the school at the close of the partial course numbered, this year, one hundred and five, the largest in the history of the school. These exercises consist of essays and orations selected from those prepared by the members of the class during the last year or two of their stay in school. This feature is both interesting and notable. It gives added interest to the audience to hear the pupils' own productions ; and the work of the school is displayed on these occasions. Moreover the last few months at school are not oppressed by the weight of preparation for the great event of graduation, and by the nervous anxiety which is liable to attend the writing of an essay for the unusual occasion—an anxiety of itself sufficient to prevent one's doing his best. And besides all this, every essay prepared during that last two years is written with more care because it is liable to be chosen for this occasion.

The exercises of graduation are still further improved by varying but little from ordinary exercises. They take place in the school hall ; and this final triumph of the class is amidst the same

surroundings where all the work, the pleasures, and the successes of the school life have been. To hire a hall and go elsewhere would seem like a wedding away from home and not under the roof-tree. Parents and friends assemble in more than usual numbers. The Mayor, the highest municipal officer, and chairman of the school committee, graces the occasion with his presence and delivers the diplomas; and then it is done. With so little of the spectacular, closes the public school life which is designed to be devoted as little as possible to mere show.

The following programme gives an outline of the exercises last given :

WORCESTER HIGH SCHOOL.

GRADUATING EXERCISES, CLASS OF '87, TUESDAY, JUNE, 28,
3 o'clock P. M.

PROGRAMME.

MUSIC.

Chorus :—Gloria. From Mozart's Twelfth Mass.

- | | |
|--|---------------------|
| * 1. Salutory :—with Oration. Macbeth. | Wallace M. Turner. |
| † 2. Essay :— American Landscapes. | Nettie J. Banister. |
| 3. Essay :—Inspirational Characters. | Alice L. Eames. |
| † 4. Oration :—Quakers, after reading "Twice Told Tales. | Julius W. Bugbee. |
| 5. Oration :—Freedom, after reading "Bryant's Ages." | George C. Burrage. |

MUSIC.

Songs. { *a* "Spring and Autumn." (A. Penozzi.) } Alice T. Warren.
 { *b* "A Disappointment." (Helen F. Hood.) }

- | | |
|--|-----------------------|
| † 6. Essay :—Educational Effect of Association. | Helen Lincoln. |
| 7. Essay :— Taylor and Irving at Stratford-on-Avon. | Geraldine B. Longley. |
| † 8. Oration :—My Masters, and what they have taught me. | Charles F. Davis. |
| 9. Oration :—Memorials. | Thomas A. McAvoy. |
| 10. Essay :—Vision of Sir Launfal. | Mabel G. Merrill. |

MUSIC.

Chorus :—Early Morning. (Kreuzter.)

- | | |
|--|------------------|
| 11. Oration :—Science and Public Prosperity. | Lewis T. Reed. |
| 12. Essay :—History, from "Twice Told Tales." | Hattie E. Smith. |
| 13. Oration :—Milton and Dryden. | Harry N. Rice. |
| 14. Essay :—French Revolution, with Valedictory. | Lucia F. Upham. |

MUSIC.

Piano Solos. { *a* La Fileuse. . . . (Raff.)
 { *b* Agitato. . . . (Schulhoff.)

By the Class Pianist—Arthur J. Bassett.

Presentation of Diplomas by His Honor Mayor Samuel Winslow.

*The Essays and Orations were not prepared specially for this occasion, but are selected from regular class-work during the past two years.

† Excused from Reading.

CLASS SONG.

Words by FRANK ROE BATCHELDER.

Music by ALICE T. WARREN.

'ΑΡΧΗ 'ΗΜΙΣΥ ΠΑΝΤΟΣ.

"The beginning is Half of the Whole."

Where the path in twain is parted,
 And our future we survey;
 We are standing, lion-hearted,
 Firm and ready for the fray.
 Proudly have we made beginning,—
 Let the end record no loss;
 Shall we falter now, in winning?

'Αρχή ἡμῖν παντός.

Smooth the path that we are quitting;
 Rough the way that lies before;
 Yet, with ardor unremitting,
 Let us labor but the more.
 Blench not, though at first the stubble
 Wound, and heavy be the cross;
 Learn to wait: Fame is no bubble:

'Αρχή ἡμῖν παντός!

Be not charmed by idle pleasures,
 Wiles that weaken truth and worth;
 Steadfast be, and Heaven's treasures
 Shall succeed to those of Earth.
 Choose the pure, and honor cherish:
 Dally not with idle dross;
 Fear not that thy work may perish:

'Αρχή ἡμῖν παντός.

CLASS OF '87.

COLLEGE COURSE.

George Steadman Bennett.

Wallace Manhan Turner.

Charles Elroy Burbank.

Lillian Sherman Atwood.

Robert Warren Dean.

Lucy Adelaide Pratt.

William Augustine Henderson.

Lucia Frances Upham.

Harry Norman Rice.

PARTIAL COLLEGE COURSE.

Patrick Andrew Dowd.

John Terrence Sheedy.

William Augustine Hickey.

Thomas Patrick Smith.

CLASSICAL COURSE.

George Closson Burrage.
 Charles Francis Davis.
 Edward Anson Gage.
 Joseph Nicholas Jerome.
 Thomas Aloysius McAvoy.
 Edward Eugene McKeon.
 Lewis Thurston Reed.
 Frank Albion Richardson.
 Fred Elliott Wheeler.
 Alice Greene Arnold.
 Nettie Julius Banister.
 Fannie Lillian Barber.
 Emma Susie Barrett.
 Mattie Josephine Black.
 Annie Lincoln Bonnell.
 Edith Minetta Brown.
 Flora Eunice Buck.
 Sarah Louise Burgess.
 Flora Browning Chamberlain.
 Grace Lucy Crawford.
 Anna Gertrude Cullen.
 Mary Davis.
 Elizabeth White Dennis.
 Florence Malbone Dodge.
 Carrie Maud Dudley.
 Alice Little Eames.

Flora Gertrude Fay.
 Mary Ruggles Green.
 Mary Catherine Henry.
 Grace Lillian Hill.
 Mary Elizabeth Hyde.
 Mary Woodman Kilborn.
 Maud Abby Knowlton.
 Helen Lincoln.
 Geraldine Buffington Longley.
 Jessie McIver.
 Agnes McMahon.
 Anna Grace Moore.
 Amy Murray.
 Mabel Greeley Merrill.
 Maybelle Carleton Pierce.
 Jennie Lucinda Ross.
 Martha Ann Russell.
 Marian Holman Shumway.
 Emma Blanche Sibley.
 Hattie Elizabeth Smith.
 Annie Lillian Sullivan.
 Helen Louise Tew.
 Nellie Jane Wattie.
 Caro Frances Wetherbee.
 Alice Gertrude Whitcomb.

ENGLISH COURSE.

Fred Andrew Bigelow.
 Robert Edward Bigelow.
 Frank Edwin Bradford.
 Julius Walter Bugbee.
 Harry Lincoln Dadmun.
 Arthur Warren Eldred.
 George Henry Hilbert.
 Sumner Alvah Kinsley.
 James Henry McInerny.
 John Francis Marley.
 Walter Leslie Mellen.

Charles Austin Pierce.
 Albert Joseph Reinbold, jr.
 Bertice Felton Sawyer.
 Stephen Sawyer, jr.
 Arthur Carlton Smith.
 Louie Erville Ware.
 John Thomas Whittaker.
 Alice Harriet Armington.
 Alice Jane Hildreth.
 Minnie Howard.
 Annie Rogers.

PARTIAL COURSE.

Arthur Joseph Bassett.
 Frank Roe Batchelder.
 Herbert Francis Blood.
 Francis Joseph Dean.
 John Joseph Heron.
 John Henry Sullivan.
 Charles Henry Wood.
 Mabel Gertrude Buffington.
 Alice Gertrude Draper.
 Lillian Agnes Drennan.

Mary Eula Eldridge.
 Rosetta May Fawcett.
 Adelle Tiffany Filmore.
 Annie May Hawkes.
 Rosa Helena Mahan.
 Addie Eliza Mayers.
 Mary Jane Sullivan.
 Mary Elizabeth Taft.
 Alice Theresa Warren.

The following statistics of pupils admitted to the school are of interest :

Schools.	Admitted.	Entered.	Absent.
Belmont Street	69	58	11
Dix Street.	44	40	4.
Winslow Street	36	33	3
Chandler Street	24	23	1
Woodland Street.	35	30	5
Washington Street.	75	55	20
Ledge Street.	43	33	10
Millbury Street	21	18	3
	<hr/> 347	<hr/> 290	<hr/> 57

Of those who did not enter.

	Boys.	Girls.	Total.
At work	16	8	24
In other schools.	5	6	11
Out of the city.	2	1	3
At home.	2	17	19
	<hr/> 25	<hr/> 32	<hr/> 57

Of those who did not return Sept., 1887.

	Boys.	Girls.	Total.
Seniors	5	6	11
Juniors	9	14	23
Sophomores.	10	9	19
	<hr/> 24	<hr/> 29	<hr/> 53

The reasons for these absences.

	Boys.	Girls.	Total.
At work.	12	5	17
At home.		6	6
At other schools.	9	14	23
Sick.	1	3	4
Ne'er-do-wells.	3		3
	<hr/> 25	<hr/> 28	<hr/> 53

The other schools are: Cornell, 1; Polytechnic Institute, 1; Worcester Academy, 1; Hinman's, 2; Holy Cross, 1; Normal School, 8; Mt. Holyoke, 2; Dental College, 2; Conservatory of Music, 1; School of Shorthand, 1; Private schools, 2; total, 23.

PROMOTIONS.

Within the past fifteen or twenty years promotion to the high school has been made in a variety of ways. At first pupils desiring admission to that school appeared on a day appointed, and were subjected to a written and oral examination by the teachers there, during one or two days. The results, estimated in per cents. of correct answers, determined the question of admission. This process admitted only the best pupils of a certain kind: those who could pass examinations. It kept up a certain kind of high standard of scholarship in the school; and it kept the school small.

It appeared, however, that there was a great nervous strain attending this great day of accounts; many of the best pupils could not reach the required per cent. in the brief time allotted—their minds worked slowly; the teaching in the grades below was injuriously affected by preparation for this kind of a test; the knowledge of a pupil's mental caliber and ability to work, which the teacher below had acquired in years of familiarity with the pupil, went for nothing—it was not taken into the account; and whatever good work a pupil may have been doing, did not enter into the decision; at best, there was too much chance in the decision; for by a lucky hit in the character of the questions, the poor might succeed and the good might fail. Moreover, in active life we are hardly ever measured by such a test.

This plan was abandoned, after a time; and the grammar masters were allowed to send to the high school all who, in their judgment, were fitted to enter. But this plan seemed to make as many different standards as there were masters. There was not quite enough uniformity of preparation; and the responsibility of the decision, resting wholly upon the masters, was somewhat burdensome; for the pupils shade off almost imperceptibly. It is hard to decide whether to draw the line between A and B,

or between C and D. There was nothing to appeal to, except the school record for the year; and parents would sometimes think that the teacher did not treat the rejected pupil fairly. There did not seem to be any disposition to advance pupils before they were prepared; on the contrary, masters were inclined to hesitate about sending forward a pupil naturally slow or dull, because they would be open to that charge; and the tendency seemed to be to keep back that class of pupils, too much. There was the further objection that the High School teacher had no voice whatever in the admissions to his school, and no necessary knowledge of the requirements. His school might be just what the grammar-masters individually—not collectively—might make it; and after all some kind of an examination test had to be devised, for pupils from other schools not in the system.

To modify this plan and correct its evils, a third was inaugurated: All pupils reaching a certain standard of excellence in the grammar schools, were advanced; all others were subjected to a uniform examination, each in his own school, upon questions covering the work of the year, and submitted by the High School committee. Here the standard of excellence was variable; for 75 per cent. in one school did not mean the same as 75 per cent. in another school. It was as difficult to draw the line in this case as in the last. The High School master had no voice in the decision; and appeals to re-open the question in individual cases of failure, were made to the grammar master, who had to take the brunt of the disappointed pupil's tears, whether because he was not included in the list of pupils promoted without examination, or because he failed in the examination.

Finally the present plan was adopted, and it works better than either of the others. The pupils in the highest class of the grammar schools, as in those below, understand that the work of the year is to be the real test of their promotion; they are also made to feel, so far as possible, that the work accomplished and the ability developed is important, and that the promotion is a mere incident; that it is better for them to be where they can get the most good, whether in a lower or a higher grade. Each recitation is part of one continuous examination; but besides

this, questions are submitted from time to time by the teacher, not so much as a test as an exercise. Three or four times a year also printed sets of questions, uniform for each grade, are submitted, which tend to keep the schools generally on the same lines. If a pupil seems to be deficient during the year, especially in the last half-year, the parent is notified; and if the pupil is not doing as well as he might, either from indifference or because he attends to too many other things, to the neglect of his school, he is individually spurred to greater activity; and if the parent is anxious to have him advanced, either on account of his age or for other cause, he will urge the pupil to greater exertion. It thus happens that at the end of the year a pupil understands pretty well what his prospects are. They all know that the question is virtually decided before the end of the year; though a few on the border do not know on which side they stand. Finally, at the close of the year, all the pupils of grade IX., and such as may apply for admission to the High School from schools outside, are subjected to a written examination upon questions submitted by the High School committee. These questions are prepared by the superintendent, mostly selected from those which cover the ground gone over in the grammar schools; they are given out uniformly in the several schools, one each day or half-day. The pupils answer them as they do an ordinary recitation or written examination by the teacher.

The papers are examined by the teacher and the results are tabulated. The papers are open to inspection by the High School committee, the superintendent, the High School principal, and each of the grammar masters; and at a meeting of all these, a certain maximum per cent. is agreed upon which admits all who reach it, unless that rank is too high for the character of the pupil who gets it, in the opinion of the master; these, if any, and all who fall below, are then considered individually by the meeting. All the circumstances of each case are taken into the account; the age, the time spent in the grammar school, the standing in the school, the rank in the examination, and the general ability, character, and prospects of the pupil. In this way every pupil is advanced who ought to go, and every pupil is detained

who ought to stay ; and the decision so made is almost universally satisfactory to all. But if any pupil feels dissatisfied, there is both his standing in the school, and the result of the examination, to fortify the decision ; and this decision, while greatly influenced by the master, is not his alone, but that of the whole body to whom all the circumstances of each case are explained.

In the primary and lower grammar grades the promotions are made with less formality, by the teacher of the room in consultation with the principal, and in cases of doubt with the superintendent also. About once a term printed questions are submitted, uniform for all the grades, which are designed to be suggestive of future teaching, and to keep the schools of a grade on the same line, more than as a test. These promotions take place at the end of the year ; but it is the duty of the principal to note the progress of the individual pupils in the several schools under his charge, and thus to give unity, as much as possible, to the education of a child who yearly passes from one teacher to another ; and if he finds that the interest of any pupil and of the school requires it, his duty is to promote or to demote that pupil at any time. In this way the natural tendency of teachers to retain the brighter pupils and to send back the poorest, is counterbalanced ; and if any pupil is to jump a grade, the time do it is before the end of the year ; that is, he should review with the class he is to jump, and go on to the next at the beginning of the year in September.

TWO GRADES.

On account of the numbers and the necessity of placing about so many pupils—not less than 30 and not more than 50—in a room, it sometimes happens that in one room there are two grades. This is found to be not seriously objectionable. Indeed there are teachers who prefer a school of this kind, and who say that the pupils of both grades do as well and learn as fast.

TWO CLASSES.

And as stated in a former report, when there is but one grade in a room it is required that the pupils be made into two divisions—not by rank, because that would be drawing the lines a

little too close ; and that one class may be reciting while the other is studying in some form. In this way the attention of the teacher may be more individual ; and the pupils are left to themselves a little. Individual teaching is generally the best teaching. It seems to be a fault of graded schools that they have less of it than in the mixed schools of the country ; and yet the grading ought to give greater opportunity for the individual teaching. The trouble is, perhaps, that pupils are not enough set to work by themselves ; and the two classes tend in that direction.

SEMI-ANNUAL PROMOTIONS.

If there is this individual teaching, then while carrying along a lot of pupils over the same subjects of study, the pupil who can do more, may have the opportunity ; and the pupil who needs judicious help, may have it. It is then possible for healthy and studious pupils to jump a grade in the manner indicated above. If a grade means the work of a year, then semi-annual promotion means doing in six months the work assigned for the year. This can be done only in rare instances, unless the work assigned is too little for the average pupil ; and in this case the assignment is wrong. But if semi-annual promotion means that the work of a grade is only what a pupil can do in six months, and if there is to be a change of teachers every six months, then it may be doubted whether such promotions are best. It is one of the evils of a graded system of schools that pupils change teachers so often ; this evil is not indeed without its compensations ; but to double the number of changes, is of more than doubtful utility.

THOROUGHNESS.

There is high authority for the opinion that pupils ought not, necessarily, to be detained upon a subject till it is completely mastered—in other words, that it is quite possible to overdo in the matter of thoroughness. If a pupil is to be kept in a class or a grade, and upon a certain part of a subject, till he knows absolutely all about it so far, he would never advance ; for the

complete comprehension of arithmetic, for example, is not possible without a knowledge of the higher mathematics; and the elementary knowledge of grammar is not perfect till it is illumined by the light of a broader knowledge. All elementary knowledge appears to be incomplete. Now, with only an imperfect apprehension of the earlier steps, it may sometimes be better for a pupil to advance, trusting to future study to let in the light upon what is now dim, than to keep him groping too long in this dimness for the light, and thus to destroy his interest. It may often be better to promote pupils who are not fully "prepared," than to keep them back. Idleness, indifference, carelessness, are bad habits which ought to be corrected; but it may well be doubted whether the best cure for these evils is a refusal to promote. Fear of not being promoted is not the best spur to activity. If no other means can be devised to arouse the indolent, it is quite doubtful whether this will do much good. What is here said about the extreme of thoroughness must not be understood as giving countenance to carelessness or a slipshod kind of study or teaching. By creating an interest in study, and by the very best presentation of every subject taught, the minds of pupils should be directed, and led, and made alert and active so far as possible. But after all has been said and done, there will be many pupils by whom a part, greater or less, will be but feebly comprehended; and the question is whether they should be detained at this particular stage till they understand, and can do, as well as the rest, or whether they should pass on.

In general, it is useless to attempt to bring all up to the same degree of excellence; and it is better to go forward. Our teachers are too conscientious, it is believed, to relax their efforts at all because they know this truth.

A. P. MARBLE,

Supt. of Schools.

SECRETARY'S REPORT.

Appropriation by City Council,	\$239,553 54
Books sold,	349 72
Materials sold and repairs,	50 16
Rents,	12 49
Tuition,	370 50
Furniture,	27 00

\$240,363,41

EXPENDITURES.

I. INSTRUCTION.

Salaries of teachers,	\$172,969 15
Salary of Superintendent,	3,500 00
Salary of Clerk,	1,100 00
Extra clerical labor,	360 00
Salaries of Truant Officers,	1,800 00
School books,	9,811 09
Stationery, ink, &c.,	1,947 53
Apparatus,	441 13
Printing and advertising,	589 39
School census,	164 00
Travelling expenses,	66 50

\$192,748 79

Less revenue,	631 22
---------------	--------

\$192,117 57

II. CARE OF SCHOOL-HOUSES AND ORDINARY REPAIRS.

Care of School-houses.

Fuel,	\$10,124 94
Janitors,	9,533 36
Cleaning houses, yards, &c.,	1,805 32
Brooms, mats, pails, &c.,	673 13
Insurance,	900 00
City water,	979 89
Gas,	339 96

Rents,	1,103 00
Miscellaneous,	129 26

\$25,588 86

Less revenue, 12 49

\$25,576 37

Ordinary Repairs.

On school-houses,	\$7,454 83
Stoves and furnaces,	1,349 29
Steam heating apparatus,	206 05
Furniture,	1,026 19

\$10,036 36

Less revenue, 50 16

\$9,986 20

\$35,562 57

Net ordinary expense, \$227,680 14

III. PERMANENT REPAIRS.

New Furniture,	\$679 65
Windows, Belmont street,	184 67
Heating and ventilating, Dix street,	2,518 20
Other repairs, Dix street,	5,062 21

\$8,444 73

Less revenue, 27 00

\$8,417 73

IV. EVENING SCHOOLS.

Salaries of teachers,	\$3,672 50
Janitors,	197 00
Gas,	99 60
Printing and advertising,	18 75
Books and stationery,	132 73
Oil, lamps, &c.,	11 25
Repairs and furniture,	222 71

\$4,354 54

Less revenue, 89 00

Net cost of Evening Schools, \$4,265 54

Net cost of all Schools, \$240,363 41

SHOWING THE LOCATION, SIZE AND VALUE OF THE SCHOOL-HOUSES AND SCHOOL-HOUSE LOTS BELONGING TO THE SCHOOL DEPARTMENT.

LOCATION.	Material.	Stories.	Size.	No. of School Rooms.	Condition.	Estimated Value.	Size of Lots, sq. feet.	Estimated Value per Foot.	Amount.	Total Value of Houses and Lots.	REMARKS.
High	Brick.	3	120 x 87	16	Good.	\$25,000	31,672	\$1.30	\$41,173	\$166,173	Ward 2 ward-room in basement. Addition built Hall in French roof and three school-rooms. L 66 x 51.
Belmont Street	"	2	93 x 90	16	"	45,000	31,440	25	7,860	22,860	
Dix Street	"	2	96 x 60	11	"	24,000	24,000	25	6,000	36,000	
Smith Street	"	2	75 x 43	4	"	13,400	30,000	8	2,400	15,800	
Ward Street	"	2	107 x 53	10	"	29,000	25,000	20	5,001	34,001	Hall in French roof and three school-rooms. L 66 x 51.
Chandler Street	"	2	94 x 94	10	"	26,500	34,858	25	8,715	35,215	
Woodland Street	"	2	96 x 60	11	"	28,000	40,000	25	10,000	38,000	
Woodland Street	"	2	96 x 41	4	"	10,000	7,188	60	4,313	9,813	
Ledge Street	"	2	50 x 30	2	"	5,500	40,670	20	8,134	38,134	Hall in French roof and three school-rooms, and Ward 4 ward-room in basement.
Ledge Street	"	2	96 x 60	13	"	30,000	40,670	20	8,134	38,134	
Ledge Street	"	2	72 x 65	6	"	18,500	24,000	10	5,266	23,766	
Millbury Street	"	2	78 x 43	9	"	12,000	7,000	8	560	12,560	
Thomas Street	"	3	75 x 43	4	"	33,000	23,433	5	1,538	34,533	Addition built in 1880, 38x24 8, for 3 school-rooms. W 1 ward-room for eye drawing still in this block. Addition built in '86, 46.6x36.6 for self-rooms. W. 8 ward-room in basement.
Edgeworth Street	"	3	70 x 50	7	"	22,000	30,760	1.30	12,353	34,353	
Walnut Street	"	3	70 x 50	9	"	20,000	17,200	1.25	21,500	41,500	
Oxford Street	"	3	52 x 50	10	"	20,000	17,200	75	3,750	23,750	
Sycamore Street	"	2	90 x 62	8	"	24,000	14,900	12 1/2	9,215	33,215	L 40 x 33 and three school-rooms in French roof. L 51 x 38.
Fredland Street	"	2	90 x 62	8	"	24,000	14,900	10	2,918	26,918	
New Worcester	"	2	62 x 30	6	"	30,000	24,184	10	1,725	31,725	
South Worcester	"	2	75 x 32	8	"	30,000	34,500	5	29,000	47,000	
Quinsigamond	"	2	75 x 32	8	"	18,000	58,000	50	5,479	32,579	L 35 x 28.
Providence Street	"	2	62 x 30	10	"	27,100	36,527	15	4,530	31,630	
PAGE Street	"	2	94 x 94	10	"	5,000	9,000	50	9,608	14,608	
East Worcester	"	2	96 x 60	12	"	27,000	48,040	30	2,500	29,500	
Madeline Street	"	2	62 x 51	6	"	15,000	25,000	10	3,000	18,000	L 35 x 28.
Adriatic	Wood.	2	45 x 30	4	Good.	13,500	13,400	30	4,020	17,520	
Adriatic	Brick.	2	59 x 51	6	Good.	15,000	24,897	15	3,704	18,704	
Grafton Street	Wood.	2	46 x 52	4	"	2,000	16,083	40	6,433	9,433	
Summer Street	"	2	51 x 48	5	Poor.	12,000	12,555	40	5,022	17,022	L 35 x 28.
Salern Street	Brick.	2	38 x 50	4	Good.	2,000	11,000	10	1,100	3,100	
Union Hill	Wood.	2	38 x 28	2	Fair.	5,500	13,200	15	1,980	7,480	
Mason Street	Brick.	2	44 x 30	2	Good.	5,500	34,875	500	500	6,000	
Northville	"	2	73 x 30	2	"	5,000	11,500	500	500	5,500	L 35 x 28.
Tatnuck	"	2	43 x 32	2	"	3,300	20,000	400	3,700	4,000	
Jamesville	Wood.	1	55 x 30	1	Old.	300	5,050	175	375	1,400	
Trowbridgeville	"	1	30 x 25	1	Good.	1,500	45,500	100	1,400	1,400	
Bleethwood	"	1	40 x 32	1	Old.	200	14,000	200	4,500	4,500	L 35 x 28.
Bloomington	Brick.	1	40 x 35	2	Good.	4,500	29,260	300	300	2,700	
Adams Square	"	1	31 x 28	1	"	2,500	21,500	200	200	2,700	
Burcote Plain	Wood.	1	40 x 32	1	Fair.	1,600	20,300	300	1,900	1,900	
North Pond	"	1	38 x 22	1	"	1,200	21,780	100	1,300	1,300	L 35 x 28.
Champlain	"	2	44 x 30	2	Good.	2,950	15,684	400	3,350	3,350	
Valley Falls	Brick.	2	46 x 32	2	"	6,600	29,440	100	6,700	6,700	
Valley Falls	Wood.	1	29 x 22	1	Old.	500	4,988	100	600	600	
Greendale	"	1	37 x 33	1	Good.	2,300	30,000	300	300	2,600	L 35 x 28.
Total	49			278		\$780,950	25 acres.		\$245,700	\$1,026,650	

STATISTICAL TABLE,
SHOWING THE NUMBER, ATTENDANCE, ETC., OF THE PUPILS IN THE PUBLIC SCHOOLS, FOR THE YEAR ENDING NOV. 26, 1887.

SCHOOLS.	TEACHERS.	ENGLISH AND CLASSICAL HIGH SCHOOL.														REMARKS.			
		GRAMMAR SCHOOLS. GRADE IX.																	
High.	Alfred S. Roe.	1038	514	524	676.5	655.3	97.1	913	748	257	333	262	363	729	1.10	3985	58.8	16.7	1 session daily
GRAMMAR SCHOOLS. GRADE VIII.																			
Belmont	St. Arthur G. Lewis,	122	62	60	83.7	79.5	94.9	56	83	10	22	20	16	170	2.03	1533	18.3	14.8	
Dix	James Jenkins,	68	32	36	54.1	50.6	98.4	38	53	13	14	12	16	87	1.61	1214	26.1	14.9	
Winslow	J. Chauncey Lyford,	71	42	29	50.9	49.3	96.7	31	57	20	22	21	19	20	.39	582	11.4	15.3	
Chandler	William H. Bartlett,	60	26	34	44.5	41.9	94.1	29	50	11	17	6	11	55	1.23	949	21.3	15.	
Woodland	Joseph Jackson,	110	61	49	59.	56.2	91.	64	82	7	16	13	25	59	1.	1019	17.3	15.2	
Washington	Charles T. Haynes,	148	59	89	99.8	93.8	93.4	55	106	29	36	38	26	91	.91	2190	21.9	14.8	
Ledge	Charles C. Woodman,	72	39	33	53.6	51.4	95.7	30	55	9	14	13	14	90	1.67	801	14.9	14.7	
Millbury	Francis P. McKeon,	67	47	20	39.8	36.9	92.7	20	44	4	6	5	8	117	2.94	1052	26.4	14.6	
		718	368	350	485.4	459.6	94.7	323	530	100	147	128	135	689	1.42	9340	19.2	14.9	
GRAMMAR SCHOOLS. GRADE VII.																			
Belmont	Sarah E. Rogers,	38	20	18	40.	37.3	93.4	4	38	7	9	9	9	71	1.77	983	24.5	14.1	
Belmont	Grace R. Everett,	56	33	23	38.1	34.9	91.6	20	44	2	5	4	8	66	1.73	1164	30.5	13.8	
Dix	Mary A. Hayward,	60	28	32	43.8	41.4	94.5	9	50	9	9	10	8	48	1.09	871	19.9	14.	
Winslow	Mary A. Drake,	46	20	26	37.7	34.9	92.7	15	38	5	12	6	8	42	1.11	1019	27.	14.3	
Chandler	Jennie L. Higgins,	58	28	30	43.4	39.8	91.2	20	48	4	9	3	7	129	2.97	1310	30.1	14.4	
Woodland	Ann S. Duntun,	53	20	23	48.6	46.6	95.8	14	51	4	17	8	11	55	1.13	728	14.9	14.5	
Woodland	Mary M. Lawton,	56	27	29	48.4	44.9	93.1	5	50	6	15	14	8	47	.97	1274	26.3	12.9	
Ledge	Emma L. Cowles,	66	46	20	42.2	39.	92.5	13	49	3	7	4	7	118	2.79	1165	27.6	13.10	
Ledge	Maria P. Cole.	62	40	22	44.1	41.3	92.4	6	50	4	4	4	3	129	2.92	1019	23.1	13.4	

GRAMMAR SCHOOLS. GRADE VIII.—CONTINUED.

Millbury	St. Mary A. Rourke,	61	39	22	41.	38.	92.7	3	44	16	15	8	7	67	1.63	1089	26.5	13.8	
Thomas	" Harriet G. Waite,	55	32	23	41.5	39.4	95.1	25	41	9	14	7	12	46	1.11	772	18.6	14.3	
Walnut	" Nellie C. Thomas,	43	21	22	34.4	32.7	95.8	12	42	10	13	10	12	33	.96	620	18.	13.11	
Oxford	" Ella L. Dwyer,	42	19	23	32.2	30.2	93.1	8	36	4	6	6	5	35	1.08	730	22.7	15.4	
Sycamore	" Charlotte H. Munger,	41	24	17	35.1	30.7	87.4	26	33	7	4	1	3	118	3.36	1606	45.7	14.5	
Freeland	" M. Ella Spalding,	40	19	21	27.6	25.9	93.6	11	27	5	12	4	4	22	.79	621	22.5	14.2	
So. Worcester,	" Carrie A. George,	52	27	25	28.8	27.1	94.1	10	38	5	7	7	5	49	1.70	617	21.4	13.11	
Quinsigamond,	" Richard H. Mooney,	52	27	25	34.	31.1	99.6	3	39	4	9	4	8	19	.56	1082	31.8	13.8	
Providence	St. Benjamin W. Kinney,	54	23	31	32.3	30.1	93.3	14	38	5	10	9	5	13	.40	801	24.8	14.2	
Gage	" Ella W. Foskett,	40	23	17	31.4	29.1	92.1	7	30	2	6	4	1	69	2.19	835	26.5	13.10	
		975	516	459	724.6	674.4	493	1	225	786	111	183	118	131	1176	1.62	18406	25.4	14.

GRAMMAR SCHOOLS. GRADE VII.

Belmont	St.	Sarah L. Phillips,	60	35	25	41.4	38.1	91.9	7	49	3	6	2	5	66	1.59	1201	29.	13.1
Dix	"	Mattie Howe,	48	23	25	34.5	31.5	91.5	6	37	3	10	8	7	50	1.45	1092	31.6	13.7
Winslow	"	Jessie M. Nichols,	54	18	36	38.	35.6	93.6	7	45	4	6	7	51	1.34	874	23.	13.2	
Chandler	"	Helena M. Kalaher,	47	24	23	40.1	38.1	89.8	3	42	10	10	12	5	58	1.44	728	18.1	13.8
Woodland	"	Carrie R. Clements,	57	30	27	50.	46.3	92.6	4	52	3	12	12	10	77	1.54	1347	26.9	13.
Ledge	"	Kate A. McCarthy,	66	45	21	47.9	44.6	93.2	2	53	5	8	6	13	76	1.79	1201	25.1	13.2
Millbury	"	Elida M. Capen,	55	31	24	40.8	35.9	88.4	3	45	3	2	5	64	1.56	1778	43.5	12.1	
Thomas	"	John E. Lynch,	65	40	25	45.1	41.9	92.9	2	48	4	4	12	11	113	2.51	1161	25.7	13.3
Edgeworth	"	Ella E. Roper,	40	25	15	34.9	31.9	91.4	8	29	1			1	110	3.15	1086	31.1	13.7
Walnut	"	Kate A. Meade,	54	28	26	39.2	36.9	93.9	2	46	6	6	8	9	51	1.55	839	21.4	12.11
Oxford	"	Mary A. Hathaway,	48	22	26	36.7	33.2	90.5	4	38	7	4	6	13	57	1.82	1277	34.7	13.4
Sycamore	"	Janet Martin,	39	21	18	27.8	25.8	92.8	9	32	5	6	3	5	43	1.55	728	26.2	14.2
Freeland	"	Emma M. Plimpton,	46	22	24	36.9	34.5	93.5	3	37	7	12	11	10	29	.78	871	23.6	13.8
So. Worcester,	"	Ellen M. Boyden,	34	18	16	25.	23.6	94.1	4	25	6	5	2	2	81	3.24	508	20.3	13.4
Providence	St.	Thomas J. Higgins,	66	32	34	42.5	38.8	91.3	4	48	2	5	5	11	72	1.69	1343	31.6	13.6
Gage	"	Annie Brown,	55	25	30	42.8	38.7	90.4	1	48	2	2	6	3	87	2.03	1492	34.8	12.11
Lamartine	"	Owen H. Conlin,	63	42	21	40.3	37.2	92.2	5	42	8	4	4	9	78	1.93	1128	27.9	13.8
Adriatic,	"	Emma A. Porter,	57	31	26	34.3	31.3	91.4	3	42	5	2		4	122	3.55	1098	32.	13.2
			954	512	442	698.2	643.9	92.2	77	758	83	102	101	130	1285	1.85	19752	28.2	13.3

SCHOOLS.	TEACHERS.	GRAMMAR SCHOOLS. GRADE VI.												REMARKS.				
		Whole number registered during the year.	Males.	Females.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number belonging at the close of the year.	Perfect in Attendance.					Average to each scholar for the year.	No. of ½ days' absence.	Average to each scholar for the year.	Average age Jan. 1, 1888 Years, Months.
										First Term.	Second Term.	Third Term.	Fourth Term.					
Belmont	St. Tirzah S. Nichols,	45	21	24	43.1	39.9	92.7	3	43	5	11	7	7	43	.99	1165	27.	12.2
Belmont	" Jennie L. Dearborn,	48	28	20	44.9	39.9	88.9	3	41	4	6	8	5	58	1.29	1820	40.9	12.7
Dix	" Minnie W. Sherman,	50	23	27	34.3	32.7	95.1	6	41	9	10	12	13	37	1.07	582	16.9	12.8
Sunnyside,	Mary A. Morrissey,	46	10	36	39.1	32.9	84.1	3	44	2	3	4	3	38	.95	2287	58.5	11.5
Winslow	St. Eva E. Stone,	54	33	21	49.2	42.9	87.	2	52	6	10	6	5	65	1.32	2299	46.7	12.6
Chandler	" Nettie A. Murray,	53	19	34	42.6	38.4	90.1	2	42	3	6	3	12	73	1.71	1529	36.	12.11
Chandler	" Mary E. Convery,	45	20	25	50.9	45.9	90.2	1	40	2	3	5	1	195	3.83	1314	25.8	11.11
Woodland	" Martha T. Wyman,	61	25	36	50.7	46.9	92.3	1	58	1	11	3	6	114	2.24	1383	27.2	12.1
Woodland	" Emma F. Brown,	58	28	30	46.2	42.5	92.1	2	52	3	7	8	3	108	2.33	1343	29.	11.11
Ledge	" Daniel H. Casey,	65	43	22	42.8	40.5	94.4	3	48	10	15	3	7	41	.96	837	19.5	12.7
Ledge	" Alice G. McMahon,	55	34	21	42.3	40.3	95.5	4	48	9	8	8	8	89	2.10	728	17.2	11.7
Thomas	" Mary E. Fitzgerald,	55	31	24	36.5	33.9	92.8	4	45	7	4	5	2	37	1.01	944	25.8	12.6
Thomas	" F. May Prentice,	46	30	16	43.9	40.5	92.	2	45				3	18	.41	381	8.6	12.4
Edgeworth	" Anna T. Cavanaugh,	46	21	25	32.9	29.1	88.3	40	40	1			2	8				
Walnut	" Ella M. Macfarland,	54	24	30	37.9	33.4	88.1	1	41	1	6	3	9	76	1.68	1383	30.6	12.4
Oxford	" Lucy Lewissom,	50	24	26	45.1	41.3	91.3	3	44	4	6	5	4	67	1.62	1923	46.6	12.9
Sycamore	" A. Teresa Timon,	57	31	26	41.2	35.9	87.1	2	55	5	4	3	13	68	1.62	1561	37.4	12.4
Freeland	" Ida F. Buxton,	70	38	32	41.7	37.4	89.6	2	43	6	7	3	8	91	2.58	1016	28.8	12.2
So. Worcester,	Edward A. Quinland,	55	37	18	35.2	32.4	91.7	4	37	3	4	2	3	10	.34	1081	36.6	11.9
Quinsigamond,	Mary A. Winter,	46	19	27	29.5	32.4	85.3	2	55	7	6	6	7	53	1.09	1924	39.9	12.5
Providence	St. Anna G. Foley,	65	36	29	48.2	42.9	88.9	1	42	3	2	5	2	142	3.14	2141	47.3	13.1
Gage	" Jennie E. Maloney,	55	30	25	45.2	39.3	86.9	44	55	7	6	6	2	79	2.09	1419	37.6	12.11
Lamartine	" Mary J. Sullivan,	59	44	15	37.7	33.8	89.5	1	39	3	2	2	2	271	8.01	1601	47.3	13.4
Adriatic,	Eudora E. Hay,	55	31	24	33.8	29.4	86.8	1	41				1	138	2.99	910	19.7	12.1
Ash	St. Mary J. Mack,	62	42	20	46.1	43.6	94.3	4	48	13	12	15	10	138	2.99	910	19.7	12.1
		1355	722	633	114.0	94.8	191.	44	1126	118	151	129	145	2053	1.97	34588	33.2	12.1

Opened
Sept. 13,
1887.

SECONDARY SCHOOLS. GRADE V.

Belmont	St.	E-ther G. Chenery,	62	33	29	44.8	42. 93.7	50	7	16	15	16	26 .58	1019	22.7	11.2
Belmont	"	Emma E. Hayward,	52	21	31	48.9	42.7 90.9	48	2	7	7	10	85 1.73	949	19.4	11.4
Dix	"	Nellie F. Lindsay,	48	26	32	38.2	35.6 93.1	1	42	11	9	8	10	15 .39	946	24.7 11.4
Winslow	"	Octavia H. Vaughan,	52	17	35	51.6	46.7 90.5	2	47	3	10	7	10	76 1.47	1783	35.5 11.3
Winslow	"	Julia E. Greenwood,	36	22	14	29.9	27.5 91.8	1	31			5	20 .67	289	9.7 11.10	
Chandler	"	Eliza J. Seaver,	58	24	34	46.9	42.6 90.6	48	2	7	5	4	86 1.83	1561	33.3 11.7	
Woodland	"	Susie A. Partridge,	63	23	40	48.1	44.2 91.8	1	57	1	8	7	10	60 1.22	1419	29.5 10.5
Ledge	"	Frances M. Athy,	52	38	14	46.2	43.2 93.5	46	10	20	15	6	202 4.63	1092	23.4 11.6	
Ledge	"	L. Elizabeth King,	50	32	18	45.5	41.5 91.2	45	5	5	6	2	198 4.35	1452	31.9 11.1	
Millbury	"	Hannah Sheehan,	61	38	23	43.	38.7 89.8	48	3	3	2	7	76 1.77	1561	36.3 11.11	
Thomas	"	Hattie G. Gates,	58	36	22	39.1	35.3 90.3	45	6	9	5	5	62 1.58	1379	35.3 11.8	
Thomas	"	Marion Holbrook,	62	28	34	40.1	35.7 86.9	46	2	6	3	6	89 2.21	1597	39.8 10.7	
Edgeworth	"	Etta M. Thayer,	50	32	18	46.8	40.6 85.5	1	42	1	1	3	5 184 3.93	2257	48.2 10.9	
Walnut	"	Mary L. Norcross,	54	25	29	41.8	38.5 92.1	43	3	12	10	8	84 2.09	1201	28.7 11.4	
Oxford	"	Mary F. Harrington,	57	29	28	46.6	42.3 90.8	1	51	6	6	10	9 116 2.45	1569	33.6 11.5	
Sycamore	"	S. Lizzie Carter,	51	24	27	43.8	37.9 86.5	47	6	4	3	4	130 2.96	2147	49. 11.7	
Freeland	"	Madge H. Coughlin,	58	35	23	46.7	42.2 90.4	3	45	9	11	17	6 54 1.15	1633	34.9 11.9	
So. Worcester,	"	Mary O. Whitney,	58	30	28	44.4	41.4 93.1	51	8	9	4	5	233 5.25	1099	24.7 11.3	
Quinsigamond,	"	Annie W. Newell,	49	27	22	45.	43.8 88.3	47	4	6	6	4	8 .18	445	9.9 11.6	
Providence	St.	M. Ella Clark,	51	37	14	38.1	34.5 90.4	43	4	5	2	10	58 1.52	1307	34.3 11.8	
Gage	"	Marion C. Tucker,	52	30	22	40.8	36.1 88.3	35			2	3	214 5.24	1706	41.8 12.	
Gage	"	Louise A. Dawson,	40	20	20	40.2	37.3 92.7	1	33	18	12	16	1	46 1.14	1052	26.1 11.10
Lamartine	"	Aloysia Radcliffe,	46	29	17	38.6	35.3 91.6	34	4	4	4	3	85 2.20	1201	31.1 11.9	
Lamartine	"	Elizabeth E. Chapin,	38	22	16	35.7	33.5 93.8	36			15	9	.25	245	6.9 11.10	
Adriatic,	"	Mabel Piper,	63	39	24	45.	39.8 88.6	45	6	2	2		245 5.44	1887	41.9 11.9	
Ash	St.	Bridget T. Carlton,	54	29	25	44.	39.4 89.6	48	3	5	4	10	197 4.48	1369	31.1 11.6	
Grafton	"	Mary A. Gauren,	58	32	26	37.4	34.1 91.1	1	42	1	1	5	98 2.62	1191	31.8 11.10	
Summer	"		35	27	8	27.9	26.5 94.7	1	33	5	4	6	1	47 1.68	876	31.4 11.10
			1468	805	663	1185.1	1078.9 91.	13	1228	129	182	170	180	2803	2.36	36233 30.5 11.6

Opened
Sept. 6,
1887.

Opened
Sept. 6,
1887.

SCHOOLS.	TEACHERS.	SECONDARY SCHOOLS. GRADE IV.										REMARKS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Males.				Females.				Average number belonging for the year.			Average attendance.		Per cent. of attendance.		No. over 15 years of age.		Number belonging at the close of the year.		Perfect In Attendance.				Number of cases of tardiness.		Average to each scholar for the year.		Average age Jan. 1, 1888. Years, Months.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

PRIMARY SCHOOLS. GRADE III.

Belmont	St. Mary T. Gale,	59	32	27	45.7	39.1	182.7	2	52	1	3	3	3	88	1.92	2402	54.9	9.1	}	
Belmont	" Anna M. Waite,	59	27	32	46.1	42.1	191.9	1	51	1	12	6	6	55	1.19	1456	31.6	8.10		} Nov. 3, 1887.
Dix	" Alice W. Giddings,	60	36	24	44.7	40.4	90.2	1	57	3	8	5	5	57	1.27	1565	35.	9.6		
Sunnyside,	" Carrie A. Thompson,	43	22	21	40.1	34.8	86.7		40	2	5	7	3	129	3.21	1929	48.1	7.11	}	
Winslow	" Emma G. Goodwin,	55	22	33	50.9	45.5	89.5		53	3	10	8	7	99	1.94	1965	38.6	9.3		} Sept. 6, 1887.
Chandler	" Anna M. Murray.	61	33	28	54.4	49.6	91.1		74	6	11	8	8	81	1.48	1752	32.2	9.2		
Woodland	" Maggie I. Melaney,	46	25	21	40.4	34.8	83.3		43	1	6	3	4	135	3.34	2038	50.4	8.7	}	
Woodland	" Carrie F. Meriam,	45	29	16	39.2	32.5	82.9		39	5	9	10	7	112	2.85	2432	62.	9.2		} Nov. 3, 1887.
Ledge	" Fanny A. Williams,	60	39	21	36.1	32.9	91.5		49	4	3	3	8	110	3.35	1165	32.2	9.3		
Millbury	" Carrie H. Wilmarth,	43	26	23	50.9	46.2	90.9		38	6	14	7	3	104	2.04	1711	33.6	8.9	}	
Millbury	" Henrietta M. Wright,	34	21	13	30.2	27.1	89.8		32				6	14	.46	93	30.8	8.2		} Nov. 3, 1887.
Thomas	" Ella A. Casey,	55	22	33	44.4	41.5	93.5		47	5	8	4	5	67	1.51	1155	26.	9.6		
Thomas	" Belle H. Tucker,	46	21	25	46.2	41.5	89.9		46				8	14	1.23	526	11.3	8.11	}	
Edgeworth	" Fransess D. Martin,	53	32	21	42.6	37.1	86.7		52	2	2	4	6	94	2.2	1703	40.1	9.2		} Sept. 6, 1887.
Walnut	" Mary E. McCormick,	52	23	29	42.6	39.3	92.		45	6	10	7	4	51	1.19	1198	28.1	8.10		
Oxford	" Mary F. Barker,	41	27	14	42.8	44.4	90.7		37	4	4	2	4	193	3.95	1601	32.8	9.10	}	
Sycamore	" Sarah W. Clements,	40	16	24	34.6	29.4	85.1		34	3	5	5	7	41	1.18	1893	54.7	9.7		} Nov. 3, 1887.
Freeland	" Jennie M. Tainter,	46	25	21	47.9	42.9	89.6		42	6	10	3	5	82	1.71	1820	37.9	8.11		
So. Worcester,	" Mary C. Paige,	56	29	27	42.9	40.2	93.4		48	6	6	2	8	141	3.28	980	22.8	9.	}	
Quinsigamond,	" Mary J. Campbell,	58	33	25	48.7	42.5	87.1		56	2	4	4	6	16	.33	1060	21.7	9.1		} Nov. 3, 1887.
Providence	" Sarah J. Newton,	45	26	19	32.9	30.9	94.1		38	13	11	7	4	25	.48	728	22.1	9.9		
Gage	" Mary J. O'Connor,	43	20	23	46.1	42.7	92.5		39	3	3	5	9	115	2.49	1234	26.7	9.5	}	
Gage	" Maggie E. Magone,	40	19	21	44.5	37.	83.1		36	4	6	7	6	207	4.65	2722	61.1	8.7		} Sept. 6, 1887.
Lamartine	" Mary A. McGillicuddy,	40	19	21	44.5	37.	83.1		36	4	6	7	4	76	1.91	1929	48.6	9.11		
Lamartine	" Abbie F. Hemenway,	52	33	19	39.7	34.4	86.8		38	3	6	7	3	82	1.93	2184	51.6	10.6	}	
Adriatic,	" Cora A. Baldwin,	45	19	26	36.5	32.4	88.7		38	4	5	1	4	129	3.53	1492	40.9	9.8		} Nov. 3, 1887.
Adriatic,	" Mary M. Bowen,	54	32	22	37.8	33.4	88.3		47	3	3	3	6	183	4.84	1601	42.3	9.2		
Ash	" Kate A. Fallon,	57	37	20	40.2	37.	91.9		54	9	12	11	12	60	1.49	1165	28.9	9.6	}	
Grafton	" Margaret J. McCann,	62	37	25	47.4	40.2	84.4		60	4	7	3	4	81	1.71	2613	55.1	9.6		} Sept. 6, 1887.
Summer	" Anna T. Smith,	43	25	18	30.8	27.5	89.1		42	5	6	3	5	34	1.1	1198	38.9	9.5		
Salem	" Mary O. Whitmore,	49	25	24	39.6	36.9	93.2	1	41	3	3	4	9	134	3.38	985	24.8	9.5	}	
		1551	840	711	1315.2	1174.5	89.3	5	1390	118	190	144	179	2809	2.13	48295	36.7	9.2		

} Opened
Nov. 3, 1887.} Opened
Sept. 6, 1887.

PRIMARY SCHOOLS. GRADE I.

	St.	Hattie B. Andrews,	59	33	26	47.5	39.3	82.8	54	2	1	3	278	5.85	2952	62.1	7.1
Belmont	"	Ella J. Emerson,	70	30	40	48.1	38.7	80.4	61	4	3	4	118	2.45	3421	71.1	6.4
Belmont	"	Maria F. Bosworth,	48	20	28	46.	39.8	86.5	38	3	8	6	53	1.15	2263	49.	7.4
Dix	"	Carrie L. Maynard,	35	18	17	32.6	28.4	87.1	34				12	.37	386	11.8	6.6
Dix	"	A. Calista Hale,	60	34	26	51.2	44.7	86.8	59	2	8	2	89	1.73	2366	46.2	6.10
Winslow	"	D. Isabell Newbury,	87	48	39	74.6	63.8	85.4	74	3	7	3	194	2.6	3920	52.5	6.8
Chandler	"	Carrie A. Hildreth,	59	34	25	43.2	37.9	87.8	55	4	4	1	102	2.36	1924	44.5	6.7
Woodland	"	Cora A. Cooley,	54	28	26	46.6	40.6	87.	51	3	10	5	40	.85	2184	46.8	6.5
Woodland	"	Mary E. Joyce,	63	45	18	46.6	38.6	82.7	54	2	2		136	2.91	2901	62.2	6.6
Ledge	"	Julia A. Riley,	44	23	21	35.4	30.7	86.5	41	1	7	6	20	.56	1706	48.1	6.10
Millbury	"	Julia A. Quinn,	52	25	27	35.3	31.9	90.3	43	4	5		73	2.06	1379	39.1	6.5
Millbury	"	Nellie M. Rood,	50	23	27	37.2	33.4	88.7	46	1	7	5	100	2.68	1460	39.2	6.7
Thomas	"	Jennie C. Clough,	55	33	22	37.7	33.7	89.3	49	4	8	4	67	1.77	1387	36.7	6.11
Edgeworth	"	Estella V. Rolston,	48	27	21	49.	46.	95.8	46	13	17	16	2	.04	1089	22.2	7.1
Edgeworth	"	Selma P. Ahlstrom,	40	19	21	56.6	45.1	79.9	36	5	7	3	50	.88	4174	73.7	6.8
Walnut	"	Mary L. Seavey,	44	19	25	32.2	28.6	88.7	36	1	4	1	55	1.71	1310	40.7	6.9
Oxford	"	Catherine T. Nevins,	51	33	18	34.5	28.3	82.1	43	1	1	2	320	9.27	2257	65.4	6.9
Sycamore	"	Eliza J. Day,	56	31	25	50.	47.8	95.5	53	3	7	12	44	.88	803	16.1	5.7
Freeland	"	Addie T. Banister,	45	24	21	29.8	25.7	85.	40				39	1.31	1488	43.2	6.11
New Worcester,	"	Rebecca H. Davie,	62	27	35	48.3	40.7	84.4	49	1	3	6	132	2.73	2814	58.2	6.11
So. Worcester,	"	Mary McBride,	60	24	36	67.4	55.1	181.1	50	7	8	10	137	2.03	4465	66.2	7.1
So. Worcester,	"	M. Jennie Hart,	24	15	9	22.9	21.9	95.4	24			5	7	.3	48	20.9	6.2
Quinsigamond,	"	Carrie M. Sweetzer,	48	25	23	30.2	26.6	88.1	42	4	1	4	16	.53	1335	44.2	6.8
Providence St.	"	Margaret L. Walsh,	44	32	12	44.2	38.1	86.1	37	1	7	4	61	1.38	2214	50.1	7.5
East Worcester,	"	Nellie G. McGillicuddy,	59	34	25	49.4	41.7	81.9	52	4	6	5	284	5.74	2795	56.5	7.2
East Worcester,	"	Mary A. Carney,	56	25	31	45.9	38.6	83.9	49	1	2	3	233	5.07	2642	57.3	6.9
Lamarine St.	"	Mary C. Morrissey,	70	47	23	45.2	41.	90.6	53	6	3	8	99	2.16	1529	33.8	7.8
Lamarine	"	Annie G. Thompson,	68	36	32	46.2	39.2	84.8	62	1	6	1	78	1.68	2548	55.1	6.3
Adriatic,	"	Alice L. Bainbridge,	66	32	34	44.3	33.6	75.8	51		2		194	4.40	3895	87.9	6.5
Ash	"	Marina H. Tucker,	66	42	24	48.4	41.7	86.2	52	2	2	3	329	6.79	2438	50.3	7.
Grafton	"	Katherine A. Hackett,	64	36	28	40.7	36.5	89.1	46	1	9	5	105	2.58	1524	37.4	7.8
Grafton	"	Minnie A. Davis,	66	29	37	49.7	37.6	75.6	54	1	2	2	89	1.79	4392	88.4	6.8
Summer	"	Agnes R. Stewart,	46	18	28	30.3	25.2	83.3	40	1	2	4	58	1.91	1851	61.1	6.4
Salem	"	Nellie J. Carlon,	58	40	18	53.1	46.2	87.1	49	3	6	2	204	3.84	2518	47.4	6.10
Mason	"	Effie L. Bennett,	54	26	28	49.9	42.4	85.	48	2	8	2	136	2.72	2737	54.8	6.9
			1931	1035	896	1550.2	1329.1	185.	1671	77	161	166	3954	2.55	79118	51.	6.9

Opened
Nov. 2,
1887.

Opened
Sept. 20,
1887.

SCHOOLS.	TEACHERS.	SUBURBAN SCHOOLS.										REMARKS.		
		Males.	Females.	Average number belong- ing for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number belonging at the close of the year.	Perfect in Attendance.					
									First term.	Second term.	Third term.	Fourth term.		
Northville,	Joanna F. Smith,	39	20	28.1	25.7	91.6	1	34	3	4	3	3	103	897
Tatnuck,	Edith M. Harding,	60	39	47.7	41.6	85.1	8	48	1	8	1	9	95	2281
Jamesville,	Ada D. Saunders,	43	20	30.7	26.6	86.1		35		1			70	1533
Blithewood,	Susan R. Hartwell,	27	13	14	25.3	20.4	80.5	24				3	97	1842
Bloomingtondale,	Lizzie M. Urban,	25	17	8	27.8	25.9	93.2	22	5	8	6	5	131	705
Bloomingtondale,	Josephine E. Bauer,	52	26	26	35.4	28.5	80.7	41	1	1	3	3	104	2559
Adams Square,	Olive G. Davidson,	55	29	26	52.2	45.7	87.5	1	37	1	5	1	108	2424
Adams Square,	Edith M. Rolston,	34	18	16	31.5	28.5	90.5	32					15	342
Burncoat Plain,	Hattie L. White,	29	16	13	23.5	21.3	90.1	5	23		1	3	104	834
North Pond,	Carrie L. Fletcher,	59	26	33	48.4	40.8	84.3	2	51		1		331	2750
Chamberlain,	Fanny R. Spurr,	10	5	5	9.8	8.2	83.4	2	7				54	598
Lake View,	Minnie A. B. Chase,	54	30	24	43.	38.6	89.8	2	46	1	11		101	1641
Lake View,	Hattie M. Ruggles,	43	25	18	42.2	35.5	83.9	41	1	1	7	3	118	2506
Valley Falls,	Ann Foskett,	26	14	12	28.1	25.3	90.1	24	3	3	5	1	201	1042
Greendale,	A. Louise Penniman,	38	19	19	28.7	25.8	89.8	3	34	2	3	5	222	1084
		594	317	277	502.4	438.4	87.2	25	499	18	34	48	32	1854
														23038
														45.8
														10.1

{ Opened
{ Sept. 6, 1877.

RECAPITULATION:

[illegible]

T A B L E

Showing the Nationality of Parents of Scholars in the Public Schools.

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries.
High School.	Alfred S. Roe.	552	140	20	12	3	9	4	8
GRAMMAR, GRADE IX.									
Belmont	St. Arthur G. Lewis,	50	20	2	2	3	2	3	1
Dix	" James Jenkins,	37	8		2			3	3
Winslow	" J. Chauncey Lyford,	48	3	2	2	1			1
Chandler	" William H. Bartlett,	34	10	1	3			1	1
Woodland	" Joseph Jackson,	69	6	3	1		2	1	
Washington	" Charles T. Haynes,	45	48	3	5	1	1	2	1
Ledge	" Charles C. Woodman,	22	26	1			3	3	
Millbury	" Francis P. McKeon,	4	33		1		5		1
		309	154	12	16	5	13	13	8
GRAMMAR, GRADE VIII.									
Belmont	St. Sarah E. Rogers,	26	7	1	3	1			
Belmont	" Grace R. Everett,	24	10	1	2	1	1		5
Dix	" Mary A. Hayward,	22	17	4	2	1	1	3	
Winslow	" Mary A. Drake,	28	5	1	2	1			1
Chandler	" Jennie L. Higgins,	32	10	3	2	1			
Woodland	" Ann S. Dunton,	41	2	3	3	1	1		
Woodland	" Mary M. Lawton,	39	3	3	2	2	1		
Ledge	" Emma L. Cowles,	12	32			1		3	1
Ledge	" Maria P. Cole,	16	23	5	3	1	1		1
Millbury	" Mary A. Rourke,	5	34		1	1	1	1	1
Thomas	" Harriet G. Waite,	14	23	2		1			1
Walnut	" Nellie C. Thomas,	32	3	1	4	2			
Oxford	" Ella L. Dwyer,	36							
Sycamore	" Charlotte H. Munger,	11	16	4	2				
Freeland	" M. Ella Spalding,	18	4	1	2		2		
So. Worcester,	Carrie A. George,	4	29		4		1		
Quinsigamond,	Richard H. Mooney,	16	9					14	
Providence	St. Benjamin W. Kinney,	18	14	1	3				2
Gage	" Ella W. Foskett,	3	23					1	
		397	264	33	35	14	9	22	12
GRAMMAR, GRADE VII.									
Belmont	St. Sarah L. Phillips,	33	7	2	4	2		1	
Dix	" Mattie Howe,	32	2		2		1		
Winslow	" Jessie M. Nichols,	35	5	4	1				
Chandler	" Helena M. Kalaher,	28	6	3	3	1	1		
Woodland	" Carrie R. Clements,	44	5	1	2				
Ledge	" Kate A. McCarthy,	8	36	2	1	2		3	1
Millbury	" Elida M. Capen,	2	38					5	
Thomas	" John E. Lynch,	18	22	1		2	2	2	1
Edgeworth	" Ella E. Roper,	3	24		1			1	
Walnut	" Kate A. Meade,	30	8	1	4	3			
Oxford	" Mary A. Hathaway,	35	3						
Sycamore	" Janet Martin,	18	9	4	1				
Freeland	" Emma M. Plimpton,	20	6	6	2	1			2
So. Worcester,	Ellen M. Boyden,	7	11		7				

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries
GRAMMAR, GRADE VII. <i>Continued.</i>									
Providence	St. Thomas J. Higgins,	15	20	5	4	1	3		
Gage	" Annie Brown,	4	37	2					3
Lamartine	" Owen H. Conlin,	6	27	2	1	6			1
Adriatic,	Emma A. Porter,	1	28	6	6				
		339	294	39	39	18	7	14	8
GRAMMAR, GRADE VI.									
Belmont	St. Tirzah S. Nichols,	41					1	1	
Belmont	" Jennie L. Dearborn,	17	11	2	3	3	1	2	2
Dix	" Minnie W. Sherman,	24	2	2	8			4	1
Sunnyside,	Mary A. Morrissey,	34	4	2		1	1	1	1
Winslow	St. Eva E. Stone,	41	4	1	2		1		3
Chandler	" Nettie A. Murray,	26	3	2	6	1	3	1	
Chandler	" Mary E. Convery,	24	9	1	2	1	2		1
Woodland	" Martha T. Wyman,	49	5	1	2	1			
Woodland	" Emma F. Brown,	42	5		1	2	1	1	
Ledge	" Daniel H. Casey,	9	33	3	2			1	
Ledge	" Alice G. McMahon,	46		1	1				
Thomas	" Mary E. Fitzgerald,	14	26	2	1				
Thomas	" F. May Prentice,	17	21	3	1			1	1
Edgeworth	" Anna T. Cavanough,	1	29	1		2		7	
Walnut	" Ella M. Macfarland,	30	5	2	1	2			1
Oxford	" Lucy Lewisson,	38	3	1					
Sycamore	" A. Teresa Timon,	26	14	3		1			
Freeland	" Ida F. Buxton,	32	8	6	5	2	1		1
So. Worcester,	Edward A. Quinland,	4	25	1	12	1			
Quinsigamond,	Mary A. Winter,	6	9		2			20	
Providence	St. Anna G. Foley,	18	19	5	6	1			6
Gage	" Jennie E. Maloney,	2	33	3	3				1
Lamartine	" Mary J. Sullivan,	5	25	2	2	2		1	2
Adriatic,	Eudora E. Hay,	5	19	7	7	2		1	
Ash	St. Mary J. Mack,	17	25	3	1	2			
		568	337	54	68	24	13	41	21
SECONDARY, GRADE V.									
Belmont	St. Esther G. Chenery,	29	4	5	4		3	4	1
Belmont	" Emma E. Hayward,	29	10	2	1	2		2	2
Dix	" Nellie F. Lindsay,	21	8	2	5	1	1	1	3
Winslow	" Octavia H. Vaughan,	38	4	1	2	1	1		
Winslow	" Julia E. Greenwood,	25	1	3	2				
Chandler	" Eliza J. Seaver,	38	2	1	2	1	2		2
Woodland	" Susie A. Partridge,	43	8	1	2	1	1		1
Ledge	" Frances M. Athy,	41	2					3	
Ledge	" L. Elizabeth King,	14	25		2		1	1	2
Millbury	" Hannah Sheehan,	1	36		3	1		7	
Thomas	" Hattie G. Gates,	26	16	1		1		1	
Thomas	" Marion Holbrook,	19	18	3	1	2	1	1	1
Edgeworth	" Etta M. Thayer,	1	31		1			7	2
Walnut	" Mary L. Norcross,	27	8	4	1	2			1
Oxford	" Mary F. Harrington,	44	1	1	4		1		
Sycamore	" S. Lizzie Carter,	24	20	2					1
Freeland	" Madge H. Coughlin,	30	4	3	3	2	2		1
So. Worcester,	Mary O. Whitney,	8	23	1	19				
Quinsigamond,	Annie W. Newell,	10	4					33	
Providence	St. Julia A. Bunker,	6	20	4	8	2	3		

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries
SECONDARY, GRADE V. <i>Continued.</i>									
Gage	St. M. Ella Clark,	4	28	1	1	1			
Gage	" Marion C. Tucker,	5	24			1	1	1	1
Lamartine	" Louise A. Dawson,	3	21	4	3	2		1	
Lamartine	" Aloysia Radcliffe,	3	25	1	3				
Adriatic,	Elizabeth E. Chapin,	4	28	11					2
Ash	St. Mabel Piper,	10	33		2	1			2
Grafton	" Bridget T. Carlon,	21	13	6					2
Summer	" Mary A. Gauren,	9	19	3		1		1	
		532	436	64	67	25	17	63	24
SECONDARY, GRADE IV.									
Belmont	St. Mattie A. Collins,	26	7	4	1	2	1	7	2
Belmont	" Carrie A. Smith,	28	7	5		1	2	7	1
Dix	" Susie W. Forbes,	29	7	4	4			4	1
Winslow	" Ella E. Goddard,	35	2	7	1	1	1		1
Winslow	" Ida M. McCambridge,	34	3	3	3	1		1	1
Chandler	" Harriet E. Maynard,	29	6	5	3	3	3		
Woodland	" Sarah J. Melanefy,	37	2	3	1	1		1	
Woodland	" M. Rosalie Goddard,	38	5	2			1		
Ledge	" Mary E. D. King,	12	31	2	4	1	1	7	4
Millbury	" Hattie S. Putnam,	7	32	2	1			7	1
Edgeworth	" Louise F. Clark,	2	22	1	1	1		7	
Edgeworth	" Lucia N. Jennison,	3	28				1	4	1
Walnut	" Kate A. Coughlin,	27	4	1	1	1	2		2
Oxford	" Mabel B. Tew,	49							
Sycamore	" Hattie S. Hagen,	25	18	3	2				
Freeland	" Myra H. Baker,	29	2	5	2	1		2	
New Worcester,	Georgianna M. Newton,	27	6	10	1	1			2
So. Worcester,	Lydia W. Ball,	9	22		14			1	
So. Worcester,	Nellie Hinsley,	6	13	2	11	1			
Quinsigamond,	Jeannie E. Sanderson,	8	14	2	1			23	
Providence	St. Margaret F. Hagan,	15	16	7	2	2		1	2
Gage	" Kate C. Cosgrove,	6	33	1				2	
Gage	" Sarah W. Hay,	8	28	4		1		1	
Lamartine	" Ellen T. Shannon,	6	22	8	3	1	1		
Lamartine	" Mary E. Russell,	8	28	8	2			1	1
Adriatic,	Abby B. Shute,	7	23	5	5		1		
Ash	St. Nelly F. Monroe,	11	24	3				1	6
Grafton	" Kate A. McLoughlin,	14	18	11	3				1
Summer	" Elma L. Studley,	17	19	4		1		1	1
Salem	" Minnie F. Whittier,	21	9	5	3				
Union Hill,	Etha M. Stowell,	14	12	3	4		1	2	
		576	464	122	73	21	16	81	27
PRIMARY, GRADE III.									
Belmont	St. Mary T. Gale,	26	10	5	2	5	1	2	1
Belmont	" Anna M. Waite,	34	6		2	1	2	3	3
Dix	" Alice W. Giddings,	42	5	2	2			2	4
Sunnyside,	Carrie A. Thompson,	23	2	7		1	4	1	2
Winslow	St. Emma G. Goodwin,	35	5	5	6				2
Chandler	" Anna M. Murray,	40	5	4	3		1		1
Woodland	" Maggie I. Melanefy,	36	2		3	1	1		
Woodland	" Carrie F. Meriam,	24	6	3	6				
Ledge	" Fanny A. Williams,	13	23	2	1	1	2	2	5
Millbury	" Carrie H. Wilmarth,	2	25		1			10	

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries
PRIMARY, GRADE III. <i>Continued.</i>									
Millbury	St. Henrietta M. Wright,	5	19		2			5	1
Thomas	" Ella A. Casey,	16	21	6		3	1		
Thomas	" Belle H. Tucker,	19	24		1		1		1
Edgeworth	" Fransess D. Martin,	4	40	2			1	4	1
Walnut	" Mary E. McCormick,	35	3	2		4	1		
Oxford	" Mary F. Barker,	28	3	1	3				2
Sycamore	" Sarah W. Clements,	24	6	2	1	1			
Freeland	" Jennie M. Tainter,	28	5	3	1	2	1		2
So. Worcester,	Mary C. Paige,	10	17	4	15	1		1	
Quinsigamond,	Mary J. Campbell,	6	10	1	2			37	
Providence	St. Sarah J. Newton,	12	20	1	2	1	2		
Gage	" Mary J. O'Connor,	5	31				1		2
Gage	" Maggie E. Magone,	5	24	2		1	1	1	2
Lamartine	" Mary A. McGillicuddy,	10	13	9	5	1			
Lamartine	" Abbie F. Hemenway,	5	19	10	4	3		1	
Adriatic,	Cora A. Baldwin,	3	26	3	5	1			
Adriatic,	Mary M. Bowen,	4	19	10	10	3		1	
Ash	St. Kate A. Fallon,	15	29	1	2	2	2		3
Grafton	" Margaret J. McCann,	21	22	7	2		2		6
Summer	" Anna T. Smith,	3	30	5		1		2	1
Salem	" Mary O. Whitmore,	21	10	5	3	1	1		
		534	480	102	84	34	25	72	39
PRIMARY, GRADE II.									
Belmont	St. Addie T. Gauren,	24	9	7	1			1	1
Belmont	" Maud L. Davis,	21	4	2	1	1		12	3
Belmont	" Lilla F. Upton,	25	5	1	1	1			4
Dix	" Harriet Lightbourn,	26	5		4			4	2
Winslow	" Hattie L. Partridge,	33	2	4	2				1
Chandler	" Mary L. Haselden,	29	12	1	2		1	1	2
Woodland	" Maggie A. Flaherty,	33	5	4	2				
Woodland	" Emma Buckley,	37	4		3	1			
Ledge	" Carrie E. Howe,	4	27				1	1	8
Ledge	" Hannah M. Kickham,	9	24	1	1				6
Millbury	" Mary L. Gafney,	4	14					20	1
Thomas	" Addie E. Sprague,	21	18	2		3	2	2	
Edgeworth	" Lilla Ingalls,	7	32	1	1	1		6	1
Oxford	" Florence S. Waite,	29	6	1				1	1
Sycamore	" Ida A. E. Kenney,	16	16	1	1				
New Worcester,	Anna B. Ranger,	21	5	7	1	1	1		1
So. Worcester,	Maggie A. Mahony,	17	11	2	21	2	1	2	
Quinsigamond,	Alice V. Phelps,	4	15					32	
Quinsigamond,	Mary G. Smith,	6	10					22	
Providence	St. Mary C. Smith,	12	10	3	1	2	2		2
Gage	" Ellen F. Fallon,	7	22	2		1		2	4
East Worcester,	Anna T. Kelley,	1	23	3					5
Lamartine	St. Ellen G. Daley,	11	15	9	1	4	1	2	
Lamartine	" Agnes J. O'Gorman,	5	15	15	4	4			
Adriatic,	Etta T. Whalen,	3	22	6	14		1		1
Ash	St. Sarah A. Boyd,	10	26	1	2	1	1		1
Grafton	" Carrie M. Adams,	18	18	8	2				2
Summer	" Alice Chapin,	3	15	3	2	1		1	
Salem	" Addie M. Blenus,	24	9	3	1	1	1		1
Union Hill,	Anna D. Stowell,	23	9	2	1			3	
Mason	St. Mary E. Pease,	26	3	11	3	1		1	2
		509	411	100	74	25	14	124	52

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries
PRIMARY, GRADE I.									
Belmont	St. Hattie B. Andrews,	26	12	3	1		1	8	3
Belmont	" Ella J. Emerson,	30	6	9	3	2	2	7	2
Dix	" Maria F. Bosworth,	23	6		4			4	1
Dix	" Carrie L. Maynard,	19	4	5	1			4	
Winslow	" A. Calista Hale,	44	4	5	2	1	1		2
Chandler	" D. Isabell Newbury,	47	11	13	2			1	
Woodland	" Carrie A. Hildreth,	38	7	2	3	3	2		
Woodland	" Cora A. Cooley,	43	4	1	1	1		1	
Ledge	" Mary E. Joyce,	14	17	1			1	7	14
Millbury	" Julia A. Riley,	6	22		1		1	11	
Millbury	" Julia A. Quinn,	3	20	1	2			14	3
Thomas	" Nellie M. Rood,	23	15			1	1	2	4
Thomas	" Jennie C. Clough,	19	19	3		3	2		3
Edgeworth	" Estella V. Rolston,	3	38	2				3	
Edgeworth	" Selma P. Ahlstrom,	4	16		2			13	1
Walnut	" Mary L. Seavey,	24	4		2	4		1	1
Oxford	" Catherine T. Nevins,	36	5	1					1
Sycamore	" Eliza J. Day,	39	11		3				
Freeland	" Addie T. Banister,	29	2	2	3		1	3	
New Worcester,	Rebecca H. Davie,	30	5	12	1				1
So. Worcester,	Mary McBride,	15	16		12	3	1		3
So. Worcester,	M. Jennie Hart,	7	8		7				1
Quinsigamond,	Carrie M. Sweetzer,	4	9	1				28	
Providence St.	Margaret L. Walsh,	13	10	9	1	2	2		
East Worcester,	Nellie G. McGillicuddy,	5	39	4					3
East Worcester,	Mary A. Carney,	5	33	3	3			1	4
Lamartine St.	Mary C. Morrissey,	14	19	16	3	1			
Lamartine	" Annie G. Thompson,	14	20	22	4	1	1		
Adriatic,	Alice L. Bainbridge,	14	20	10	4	2		1	
Ash	St. Marina H. Tucker,	13	27		2	5			5
Grafton	" Katherine A. Hackett,	14	15	7	1		1		8
Grafton	" Minnie A. Davis,	20	17	6	3	2			6
Summer	" Agnes R. Stewart,	8	24	5	1			1	1
Salem	" Nellie J. Carlon,	27	9	6	5		1		1
Mason	" Effie L. Bennett,	32	4	5	6			1	
		705	498	155	84	31	18	111	69
SUBURBAN SCHOOLS.									
Northville,	Joanna F. Smith,	24	2		4			4	
Tatnuck,	Edith M. Harding,	43	2	1	2				
Jamesville,	Ada D. Saunders,	11	8	8	2	2			4
Blithewood,	Susan R. Hartwell,	14		3	7				
Bloomngdale,	Lizzie M. Urban,	15	1	5	1				
Bloomngdale,	Josephine E. Bauer,	26		11	2			2	
Adams Square,	Olive G. Davidson,	28	3	4				2	
Adams Square,	Edith M. Rolston,	28	1	2				1	
Burncoat Plain,	Hattie L. White,	15	3		3			2	
North Pond,	Carrie L. Fletcher,	38					4	9	
Chamberlain,	Fanny R. Spurr,	7							
Lake View,	Minnie A. B. Chase,	34	2	1				2	7
Lake View,	Hattie M. Ruggles,	28	1	4		1		1	6
Valley Falls,	Ann Foskett,	14	5		4				1
Greendale,	A. Louise Penniman,	21		6	1			6	
		346	28	45	26	3	4	29	18

SCHOOLS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	Sweden.	Other countries
AGGREGATE.								
High School	552	140	20	12	3	9	4	8
Grammar, Grade IX.	309	154	12	16	5	13	13	8
“ “ VIII.	397	264	33	35	14	9	22	12
“ “ VII.	339	294	39	39	18	7	14	8
“ “ VI.	568	337	54	68	24	13	41	21
Secondary, “ V.	532	436	64	67	25	17	63	24
“ “ IV.	576	464	122	73	21	16	81	27
Primary, “ III.	554	480	102	84	34	25	72	39
“ “ II.	509	411	100	74	25	14	124	52
“ “ I.	705	498	155	84	31	18	111	69
Suburban	346	28	45	26	3	4	29	18
	5387	3506	746	578	203	145	574	286

Of those born in other countries there were born in Norway 51, France 22, Austria 16, Denmark 16, Italy 49, Russia 12, Switzerland 1, Wales 10, Poland 47, West Indies 10, Nova Scotia 18, New Brunswick 7, Prince Edward Isle 6, Turkey 4, Mexico 3, Armenia 9, Cape Breton 1, Bermuda 1, Finland 1, Sandwich Islands 1, China 1.

THE PARENTAGE OF THE CHILDREN IN THE PUBLIC SCHOOLS, DECEMBER 1ST, FOR THE LAST TWENTY-ONE YEARS, IS AS FOLLOWS :

	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887
United States, } . . .	2448	2617	2742	2704	2862	3028	3017	3075	3232	3241	3340	3582	3749	3974	4163	4384	4664	4815	5020	5097	5387
Canada	224	288	277	387	425	423	431	420	412	415	468	539	608	830	532	717	590	745	646	726	746
Ireland	2509	2547	2800	2888	2763	2920	2702	2744	2802	2858	2880	3055	3099	3293	3385	3396	3501	3747	3692	3580	3506
England	174	209	205	257	250	290	252	259	296	287	312	316	324	354	388	443	449	483	517	570	578
Germany	83	86	97	123	125	140	138	115	138	155	146	160	134	153	166	178	195	200	204	191	203
Scotland	40	46	45	56	68	70	72	60	62	68	67	72	59	73	77	69	94	96	120	123	145
Sweden							10	10	20	36	37	49	75	126	184	289	332	364	416	481	574
Other Countries } . .	16	29	34	39	43	80	66	70	91	83	98	100	111	138	161	145	189	218	246	251	286
Total	5494	5822	6200	6454	6536	6951	6688	6753	7053	7015	7348	7873	8159	8941	9056	9622	10014	10668	10861	11019	11425
United States } . . .	2448	2617	2742	2704	2862	3028	3017	3075	3232	3241	3340	3582	3749	3974	4163	4384	4664	4815	5020	5097	5387
Foreign Countries } . .	3046	3205	3458	3750	3674	3923	3671	3678	3821	3774	4008	4291	4410	4967	4893	5238	5350	5853	5841	5922	6038

ABSENCE AND TARDINESS.

YEARS.	Average number be- longing.	Number of half days' absence.	Average to each scholar.	Number of cases of tardiness.	Average to each scholar.
1867	5343	189,225	35.6	30,727	6.4
1868	5874	225,284	38.5	29,457	5.6
1869	6097	196,159	32	27,422	5
1870	6385	216,096	33.7	25,710	4.6
1871	6588	233,852	34.6	23,707	4
1872	6238	243,575	39	21,608	3.9
1873	6180	184,148	29.8	11,132	2
1874	6521	166,591	24.2	15,656	2.6
1875	6705	188,438	27.1	15,648	2.3
1876	7042	192,079	29.3	15,871	2.4
1877	7003	176,635	25.2	15,256	2.3
1878	7686	188,284	24.5	16,449	2.1
1879	7745	205,681	26.5	16,956	2.2
1880	8419	258,314	30.7	19,547	2.3
1881	8860	276,570	31.2	18,702	2.1
1882	9008	290,475	32.2	22,512	2.5
1883	10098	361,997	35.8	24,258	2.4
1884	10147	385,238	37.9	26,333	2.5
1885	10758	398,281	37	25,582	2.4
1886	10751	442,239	41.1	25,407	2.4
1887	10774	368,837	34.2	23,792	2.3

ORGANIZATION OF THE SCHOOL COMMITTEE

AND THE PUBLIC SCHOOLS OF THE

CITY OF WORCESTER,

JANUARY, 1888.

SAMUEL WINSLOW, *President.*

ALBERT P. MARBLE, *Sup't and Sec'y.*

492 MAIN STREET.

SCHOOL COMMITTEE.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1889.

Ward.	Residence.	Ward.	Residence.
1. GEO. F. THOMPSON,	4 Agricultural St.	5. PETER J. NIHILL,	37 Washington St.
2. EDWARD F. TOLMAN,	18 Catharine St.	6. WILLIAM H. DEXTER,	3 Charlton St.
3. DANIEL J. SAVAGE,	68 Shrewsbury St.	7. JOSEPH A. HOWLAND,	8 Loudon St.
4. JOHN J. HUGHES,	8 Pond St.	8. FREEMAN BROWN,	6 West St.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1890.

Ward.	Residence.	Ward.	Residence.
1. WM. T. SOUTHER,	1 Lincoln Sq.	5. JOHN B. RATIGAN,	113 Washington St.
2. CHARLES BALLARD,	22 Channing St.	6. GEORGE L. SANFORD,	3 Benefit St.
3. JAMES F. GUERIN,	154 Shrewsbury St.	7. ARTHUR M. TAFT,	3 Brigham St.
4. M. J. P. McCAFFERTY,	6 Goddard St.	8. JOSEPH F. LOVERING,	98 Elm St.

MEMBERS WHOSE TERM EXPIRES JANUARY, 1891.

Ward.	Residence.	Ward.	Residence.
1. REBECCA BARNARD,	184 Main St.	5. JOSEPH H. KELLEY,	Trumbull Sq.
2. CHAS. F. ADAMS,	2 Normal St.	6. ALZIRUS BROWN,	633 Main St.
3. EUGENE M. MORIARTY,	5 Howard St.	7. SAMUEL E. HILDRETH,	31 May St.
4. DANIEL J. KELLEY,	61 Union Av.	8. GEORGE SWAN,	3 Irving St.

STANDING COMMITTEES.

ON SCHOOL-HOUSES.—Messrs. A. Brown, McCafferty, F. Brown, Nihill and Ballard.

ON BOOKS AND APPARATUS.—Messrs. Moriarty, Lovering, Sanford, Adams and Taft.

ON TEACHERS.—The Superintendent, *ex-officio*; Messrs. Swan, Tolman, Ratigan, Taft and Souther.

ON APPOINTMENTS.—The Superintendent, *ex-officio*; Miss Barnard, Messrs. Hughes, Guerin, Howland and Savage.

ON FINANCE.—The Mayor, *ex-officio*; Messrs. Thompson, Daniel J. Kelley, Dexter, Joseph H. Kelley and Hildreth.

The Committee of Visitation shall exercise a general supervision over the schools to which they are severally assigned, and shall visit them not less than once in four weeks, and report their condition at the monthly meeting of the board.—[Rules, Chap. 3, Sec. 6.]

Though each school is assigned to a special committee, yet every member of the Board shall consider it his duty to watch over and visit all the public schools of the city, as his convenience will permit.—[Sec. 7.]

VISITING COMMITTEES.

HIGH SCHOOL.

<i>Committee.</i>	<i>Teachers.</i>	<i>Salary.</i>
SWAN,	{ Alfred S. Roe, Principal,	\$3,000
	{ A. Carey Field,	2,300
	{ William F. Abbot,	1,600
Souther,	{ Joseph H. Perry,	1,350
	{ Edward M. Woodward,	1,000
	{ Mary P. Jefts,	1,000
Lovering,	{ Jennie I. Ware,	1,100
	{ Rachel L. Moore,	1,000
	{ Sarah Brigham,	600
Moriarty,	{ Frank L. Mellen,	1,000
	{ Nellie M. White,	800
	{ Sally H. Delano,	700
Adams,	{ Carrie P. Townsend,	700
	{ Florence Snow,	800
	{ Benj. B. Holmes,	1,200
Miss Barnard,	{ Helen M. Parkhurst,	700
	{ Irene P. Huse,	700
	{ Annie M. Russell,	600
Ratigan,	{ Charles S. Merrick,	800
	{ George E. Gardner,	800

The ROMAN NUMERALS designate the ROOMS to which members of committees are especially assigned, and the GRADES according to the course of study.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
	BELMONT STREET.		
Adams,	Arthur G. Lewis, Principal,		\$2,000
"	Emma C. McClellan, Assistant,	IX	600
"	Mary H. Warren, Assistant,	IX	600
"	Sarah E. Rogers,	VIII	550
"	Grace R. Everett,	VIII-VII	500
"	Sarah L. Phillips,	VII	600
Sanford,	Jennie L. Dearborn,	VI	550
"	Tirzah S. Nichols,	VI	550
"	Esther G. Chenery,	V	550
"	Emma E. Hayward,	V	500
A. Brown,	Mattie A. Collins,	IV	550
"	Carrie A. Smith,	IV	550
"	Mary T. Gale,	III	550
"	Anna M. Waite,	III	500
Nihill,	Addie T. Gauren,	II	500
"	Maud L. Davis,	II	500
"	Lilla F. Upton,	II	500
"	Hattie B. Andrews,	I	500
"	Ella J. Emerson,	I	500

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
DIX STREET.			
D. J. Kelley,	James Jenkins, Principal, . . .		\$1,800
"	Carrie L. Paige, Assistant, . . .	IX	550
"	Mary A. Hayward,	VIII	550
"	Mattie Howe,	VII	550
"	Minnie W. Sherman,	VI	550
Guerin,	Nellie F. Lindsay,	V	550
"	Susie W. Forbes,	IV	550
"	Alice W. Giddings,	III	500
Ballard,	Harriet Lightbourn,	II	500
"	Maria F. Bosworth,	I	500
"	Carrie L. Maynard,	I	500
SUNNYSIDE.			
Ballard,	Mary A. Morrissey,	VI-IV	500
"	Carrie A. Thompson,	III-I	500
WINSLOW STREET.			
Ballard,	J. Chauncey Lyford, Principal, . . .		2,000
"	Sarah M. Averill, Assistant, . . .	IX	550
"	Mary A. Drake,	VIII	550
"	Jessie M. Nichols,	VII	550
"	Eva E. Stone,	VI	500
Hughes,	Octavia H. Vaughan,	V	500
"	Julia E. Greenwood,	V	500
"	Ella E. Goddard,	IV	550
"	Ida M. McCambridge,	IV	500
Taft,	Emma G. Goodwin,	III	500
"	Hattie L. Partridge,	II	500
"	A. Calista Hale,	I	550
CHANDLER STREET.			
Lovering,	William H. Bartlett, Principal, . . .		2,000
"	Clara Manly, Assistant,	IX	600
"	Jennie L. Higgins,	VIII	500
"	Helena M. Kalaher,	VII	550
"	Nettie A. Murray,	VI	500
Guerin,	Mary E. Convery,	VI-V	500
"	Eliza J. Seaver,	V	500
"	Harriet E. Maynard,	IV	500
"	Anna M. Murray,	III	500
Miss Barnard,	Mary L. Haselden,	II	500
"	D. Isabell Newbury,	I	500
"	Ada E. Mason,		500
WOODLAND STREET.			
Miss Barnard,	Joseph Jackson, Principal,		2,000
"	Alice E. Meriam, Assistant, . . .	IX	550
"	Marietta Knight, Assistant, . . .	IX	500
"	Ann S. Dunton,	VIII	550

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
Miss Barnard,	Mary M. Lawton,	VIII-VII	\$600
Swan,	Carrie R. Clements,	VII	550
"	Martha T. Wyman,	VI	550
"	Emma F. Brown,	VI-V	500
"	Susie A. Partridge,	V	550
"	Sarah J. Melanefy,	IV	550
Ratigan,	M. Rosalie Goddard,	IV	500
"	Maggie I. Melanefy,	III	500
"	Carrie F. Meriam,	III	500
"	Maggie A. Flaherty,	II	550
Howland,	Emma Buckley,	II	550
"	Carrie A. Hildreth,	I	500
"	Cora A. Cooley,	I	500
WASHINGTON STREET.			
McCafferty,	Charles T. Haynes, Principal, . .		1,500
"	Ida L. Gaskill, Assistant, . .	IX	600
"	M. Louise Rice, Assistant, . .	IX	600
LEDGE STREET.			
J. H. Kelley,	Charles C. Woodman, Principal, .		2,000
"	Margaret M. Geary, Assistant, .	IX	600
"	Emma L. Cowles,	VIII	600
"	Maria P. Cole,	VIII-VII	550
"	Kate A. McCarthy,	VII	600
F. Brown,	Daniel H. Casey,	VI	550
"	Alice G. McMahon,	VI	550
"	Frances M. Athy,	V	550
"	L. Elizabeth King,	V	550
Thompson,	Mary E. D. King,	IV	550
"	Fanny A. Williams,	III	500
"	Carrie E. Howe,	III-II	500
"	Hannah M. Kickham,	II-I	500
"	Mary E. Joyce,	I	500
MILLBURY STREET.			
Taft,	Francis P. McKeon, Principal, . .		1,500
"	Ella J. Lyford, Assistant, . .	IX	550
"	Mary A. Rourke,	VIII-VII	550
"	Elida M. Capen,	VII-VI	500
Savage,	Hannah Sheehan,	V	500
"	Hattie S. Putnam,	IV	500
"	Carrie H. Wilmarth,	III	500
"	Henrietta M. Wright,	III-II	450
Dexter,	Mary L. Gafney,	II	500
"	Julia A. Riley,	I	500
"	Julia A. Quinn,	I	500
THOMAS STREET.			
Nihill,	Harriet G. Waite, Principal, . .		1,140
"	Anna P. Smith, Assistant, . .	VIII	600

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
Nihill,	John E. Lynch,	VII	\$550
"	Mary E. Fitzgerald,	VI	550
"	F. May Prentice,	VI	500
J. H. Kelley,	Hattie G. Gates,	V	500
"	Marion Holbrook,	V-IV	450
"	Ella A. Casey,	III	600
Lovering,	Belle H. Tucker,	III-II	550
"	Addie E. Sprague,	II	500
"	Nellie M. Rood,	I	500
"	Jennie C. Clough,	I	500
EDGEWORTH STREET.			
Ratigan,	Ella E. Roper, Principal,	VII	700
"	Anna T. Cavanaugh,	VI	550
"	Etta M. Thayer,	V	500
"	Louise F. Clark,	IV	500
Taft,	Lucia N. Jennison,	IV	500
"	Fransess D. Martin,	III	500
"	Lilla Ingalls,	II	500
"	Estella V. Rolston,	I	550
"	Selma P. Ahlstrom,	I	500
WALNUT STREET.			
Thompson,	Nellie C. Thomas, Principal,	VIII	700
"	Kate A. Meade,	VII	550
"	Ella M. Macfailand,	VI	550
"	Mary L. Norcross,	V	550
Sanford,	Kate A. Coughlin,	IV	500
"	Mary E. McCormick,	III-II	550
"	Mary L. Seavey,	I	500
OXFORD STREET.			
A. Brown,	Ella L. Dwyer, Principal,	VIII	700
"	Mary A. Hathaway,	VII	550
"	Lucy Lewisson,	VI	500
"	Mary F. Harrington,	V	550
Moriarty,	Edith M. Harding,	IV	500
"	Mary F. Barker,	III	500
"	Florence S. Waite,	II	500
"	Catherine T. Nevins,	I	600
SYCAMORE STREET.			
Souther,	Charlotte H. Munger, Principal,	VIII	800
"	Janet Martin,	VII	550
"	A. Teresa Timon,	VI	600
"	S. Lizzie Carter,	V	600
D. J. Kelley,	Hattie S. Hagan,	IV	550
"	Sarah W. Clements,	III	550
"	Ida A. E. Kenney,	II	500
"	Eliza J. Day,	I	500

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
FREELAND STREET.			
Tolman,	M. Ella Spalding, Principal, . . .	VIII	\$700
"	Emma M. Plimpton, . . .	VII	550
"	Ida F. Buxton, . . .	VI	500
"	Madge H. Coughlin, . . .	V	500
Nihill,	Myra H. Baker, . . .	IV	500
"	Jennie M. Tainter, . . .	III-II	500
"	Addie T. Banister, . . .	I	500
NEW WORCESTER.			
Hildreth,	Georgianna M. Newton, . . .	IV-III	500
"	Anna B. Ranger, . . .	II	500
"	Rebecca H. Davie, . . .	I	500
SOUTH WORCESTER.			
Dexter,	Carrie A. George, Principal, . . .	VIII	800
"	Ellen M. Boyden, . . .	VII	550
"	Edward A. Quinland, . . .	VI	550
"	Mary O. Whitney, . . .	V	550
"	Lydia W. Ball, . . .	IV	550
Tolman,	Nellie Hinsley, . . .	IV-III	500
"	Mary C. Paige, . . .	III	550
"	Maggie A. Mahony, . . .	II	500
"	Mary McBride, . . .	I	500
"	M. Jennie Hart, . . .	I	500
QUINSIGAMOND.			
Moriarty,	Richard H. Mooney, Principal, . . .	VIII-VII	1,000
"	Mary A. Winter, . . .	VI	500
"	Annie W. Newell, . . .	V	500
"	Jeannie E. Sanderson, . . .	IV	500
Adams,	Mary J. Campbell, . . .	III	500
"	Alice V. Phelps, . . .	II	500
"	Mary G. Smith, . . .	II-I	500
"	Carrie M. Sweetzer, . . .	I	500
PROVIDENCE STREET.			
F. Brown,	Benj. W. Kinney, Principal, . . .	VIII	700
"	Thomas J. Higgins, . . .	VII	500
"	Anna G. Foley, . . .	VI	500
"	Julia A. Bunker, . . .	V	500
Hughes,	Margaret F. Hagan, . . .	IV	500
"	Sarah J. Newton, . . .	III	550
"	Mary C. Smith, . . .	II	500
"	Margaret L. Walsh, . . .	I	500
GAGE STREET.			
Guerin,	Ella W. Foskett, Principal, . . .		800
"	Nellie F. Saunders, Assistant, . . .	VIII	500

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
Guerin,	Annie Brown,	VII-VI	550
"	Jennie E. Maloney,	VI	500
"	M. Ella Clark,	V	550
McCafferty,	Marion C. Tucker,	V	500
"	Kate C. Cosgrove,	IV	500
"	Sarah W. Hay,	IV	500
"	Mary J. O'Connor,	III	500
Savage,	Maggie E. Magone,	III	500
"	Ellen F. Fallon,	II	500
EAST WORCESTER.			
Souther,	Anna T. Kelley,	II	500
"	Nellie G. McGillicuddy,	I	500
"	Mary A. Carney,	I	500
LAMARTINE STREET.			
McCafferty,	Owen H. Conlin, Principal,		1,000
"	Emma P. Brewer, Assistant,	VII	500
"	Mary J. Sullivan,	VI	500
"	Louise A. Dawson,	V	550
"	Aloysia Radcliffe,	V	550
"	Ellen T. Shannon,	IV	500
Hildreth,	Mary E. Russell,	IV	500
"	Mary A. McGillicuddy,	III	500
"	Abbie F. Hemenway,	III	500
"	Ellen G. Daley,	II	500
F. Brown,	Agnes J. O'Gorman,	II	500
"	Mary C. Morrissey,	I	500
"	Annie G. Thompson,	I	500
ADRIATIC.			
Howland,	Emma A. Porter, Principal,	VII-VI	700
"	Eudora E. Hay,	VI-V	500
"	Elizabeth E. Chapin,	V	500
"	Abby B. Shute,	IV	500
A. Brown,	Cora A. Baldwin,	III	500
"	Mary M. Bowen,	III-II	500
"	Etta T. Whalen,	II	500
Ballard,	Alice L. Bainbridge,	I	500
ASH STREET.			
Sanford,	Mary J. Mack, Principal,	VI	700
"	Mabel Piper,	V	500
"	Nelly F. Monroe,	IV	500
J. H. Kelley,	Kate A. Fallon,	III	550
"	Sarah A. Boyd,	II	550
"	Marina H. Tucker,	I	500
GRAFTON STREET.			
Hughes,	Bridget T. Carlon, Principal,	V	700

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
Hughes,	Kate A. McLoughlin, . . .	IV	\$550
"	Margaret J. McCann, . . .	III	500
Dexter,	Carrie M. Adams, . . .	II	500
"	Katharine A. Hackett, . . .	I	500
"	Minnie A. Davis, . . .	I	500
SUMMER STREET.			
Savage,	Mary A. Gauren, Principal, . . .	V	600
"	Emma L. Studley, . . .	IV	550
"	Anna T. Smith, . . .	III	500
"	Alice Chapin, . . .	II	500
"	Agnes R. Stewart, . . .	I	500
SALEM STREET.			
Swan,	Minnie F. Whittier, Principal, . .	IV	600
"	Mary O. Whitmore, . . .	III	550
"	Addie M. Blenus, . . .	II	500
"	Nellie J. Carlton, . . .	I	550
UNION HILL.			
D. J. Kelley,	Etha M. Stowell, Principal, . . .	IV-III	550
"	Anna D. Stowell, . . .	II-I	500
MASON STREET.			
Hildreth,	Mary E. Pease, Principal, . . .	II	550
"	Effie L. Bennett, . . .	I	500

<i>Committee.</i>	<i>Place.</i>	<i>Teachers.</i>	<i>Salary.</i>
Tolman,	Northville,	Joanna F. Smith,	\$550
Hildreth,	Tatnuck,	Cora E. Kemp,	450
"	"	Myra N. Moore, Asst.,	250
Souther,	Jamesville,	Ada D. Saunders,	500
A. Brown,	Blithewood,	Susan R. Hartwell,	500
Savage,	Bloomingtondale,	Lizzie M. Urban,	VIII-V 500
"	"	Josephine E. Bauer,	IV-I 500
Howland,	Adams Square,	Olive G. Davidson,	VIII-V 550
"	"	Edith M. Rolston,	IV-I 500
J. H. Kelley,	Burncoat Plain,	Hattie L. White,	550
Miss Barnard,	North Pond,	Carrie L. Fletcher,	500
"	Chamberlain,	Fanny R. Spurr,	500
Dexter,	Lake View,	Minnie A. B. Chase,	VIII-V 550
"	"	Hattie M. Ruggles,	IV-I 500
Souther,	Valley Falls,	Ann Foskett,	VI-I 500
Tolman,	Greendale,	A. Louise Penniman,	500

DRAWING.

Jeanie Lea Southwick, *Teacher*, \$1,000.

Annie N. Sinclair, Assistant, High School, \$150.

COMMITTEE.

Messrs. Tolman, J. H. Kelley, Ballard, Howland and Hildreth.

MUSIC.

Seth Richards, *Teacher*, \$1,650.

COMMITTEE.

Messrs. Lovering, D. J. Kelley, Adams, Ratigan and Souther.

EVENING SCHOOLS.

COMMITTEE.

Miss Barnard, Messrs. Thompson, McCafferty, Moriarty, Souther, Guerin,
F. Brown, Hughes and Ballard.

TRUANT OFFICERS.

Henry E. Fayerweather, 105 Summer St. Michael J. English, Brackett Ct.

SCHOOL CALENDAR FOR 1888.

Vacation periods indicated by Full-Face Figures.

1888.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	1888.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
JAN.	1 8 15 22 29 ...	2 9 16 23 30 ...	3 10 17 24 31 ...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...	JULY.	1 8 15 22 29 ...	2 9 16 23 30 ...	3 10 17 24 31 ...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...
FEB.	...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...	1 8 15 22 ...	2 9 16 23 ...	3 10 17 24 ...	AUGUST.	...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...	1 8 15 22 ...	2 9 16 23 ...	3 10 17 24 ...
MARCH.	...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	...	1 8 15 22 ...	2 9 16 23 ...	SEPT.	...	2 9 16 23 30 ...	3 10 17 24 ...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...
APRIL.	1 8 15 22 29 ...	2 9 16 23 30 ...	3 10 17 24 ...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...	OCT.	...	7 14 21 28 ...	1 15 22 29 ...	2 16 23 30 ...	3 17 24 ...	4 18 25 ...	5 19 26 ...
MAY.	...	6 13 20 27 ...	7 14 21 28 ...	1 8 15 22 29 ...	2 9 16 23 ...	3 10 17 24 ...	4 11 18 25 ...	NOV.	...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...	1 15 22 29 ...	2 16 23 30 ...
JUNE.	...	3 10 17 24 ...	4 11 18 25 ...	5 12 19 26 ...	...	6 13 20 27 ...	7 14 21 28 ...	DEC.	...	2 9 16 23 30 ...	3 10 17 24 31 ...	4 11 18 25 ...	5 12 19 26 ...	6 13 20 27 ...	7 14 21 28 ...

The 1st Term begins Nov. 28th, 1887, and ends Feby. 18th, 1888, comprising 11 weeks.
 The 2d " " Feb. 27th, 1888, " " April 28th, " " 9 "
 The 3d " " May 7th, " " June 30th, " " 8 "
 The 4th " " Sept. 3d, " " Dec. 1st, " " 12 "

Assuming that Thanksgiving Day will be Thursday, November 29th.

REPORT

OF THE

BOARD OF HEALTH.

To His Honor the Mayor, and Gentlemen of the City Council:

The Board of Health submit the following report:—

Appropriation,	\$2,400 00
Received for licenses, etc.,	100 93
	<hr/>
	\$2,500 93
Expended (for items, see Auditor's report),	2,401 18
	<hr/>
Balance unexpended,	\$99 75

VITAL STATISTICS.

Population,	78,937	Total deaths,	1,463
Births,	2,276	Still-born,	128
Death rate,	16.90	Actual deaths,	1,335
Deaths under one year,	289	Deaths under five years,	435
Males,	759	Females,	706
At City Hospital,	53	At Insane Asylums,	100
At Almshouse,	15	At Jail,	1

DEATHS BY MONTHS.

January, 135.	February, 107.	March, 133.	April, 120.
May, 101.	June, 108.	July, 158.	August, 128.
Sept. 126.	October, 128.	Nov. 95.	Dec. 114.

MORTALITY REPORT.

Principal causes of death—

Zymotic Diseases.

Cholera infantum,	111	Pyæmia,	3
Croup,	14	Scarlet fever,	6
Diarrhœal (adults),	17	Typhoid fever,	14
Diphtheria,	35	Whooping cough,	2
Erysipelas,	2	Accidents, Injuries, Suicides, and unknown, }	74
Malaria,	1		
Measles,	6		
Ovarian tumor,	2		
Puerperal Septicæmia,	8		

General Diseases.

Acute lung diseases,	100	Hernia,	2
Apoplexy,	25	Heart disease,	58
Bright's disease,	31	Hip disease,	1
Cancer,	37	Insanity,	87
Carbuncle,	2	Laryngitis,	3
Consumption,	163	Paralysis,	27
Convulsions,	30	Pleurisy,	2
Cirrhosis,	7	Peritonitis,	3
Cystitis,	2	Premature birth,	14
Diabetis.	3	Puerperal,	7
Embolism,	5		

CONTAGIOUS DISEASES.

REGISTRATION OF DISEASES.

YEAR.	DIPHTHERIA.			SCARLET FEVER.			TYPHOID FEVER.		
	Number of cases.	Number of deaths.	Death rate, per 1,000.	Number of cases.	Number of deaths.	Death rate, per 1,000.	Number of cases.	Number of deaths.	Death rate, per 1,000.
1884 } 6 months }	398	64	16.00	60	4	66.0			
1885	360	49	13.61	73	1	13.50	Six months.		
1886	170	21	12.35	123	2	16.26	49	5	10.21
1887	144	35	24.38	124	11	88.70	166	13	78.31

Small-pox, yellow fever, cholera, no cases; measles, 6 deaths; whooping cough, 2 deaths; chicken pox, unusually prevalent, no deaths.

The act requiring the reporting and registration of contagious diseases went into effect May 1, 1884. Previous to that, nothing definite was known as to the prevalence of any disease, and but little was done to regulate the sanitary surroundings of the patient, or to quarantine the school-children. In Worcester the amount of diphtheria has steadily decreased since this registration. There can be no doubt that its spread through a neighborhood is prevented by the publicity given such a case, by the school regulations, and the work of the Board of Health.

This Board has up to the present time endeavored to make the treatment of such cases as little irksome as possible to the family, and tenants of the houses, as was compatible with public safety. As yet it has not placarded the houses, or forbidden the adults from pursuing their ordinary vocations.

Of the prevalence of particular diseases, we can congratulate ourselves, that we have escaped the epidemics of diphtheria, scarlet fever, and typhoid fever, from which many of our sister cities have suffered.

Diphtheria has been less prevalent than last year, but more fatal, and the death-rate is higher than at any time since the registration went into effect.

The following table shows its distribution in wards since May, 1884:—

TABLE SHOWING THE DISTRIBUTION OF DIPHTHERIA IN WARDS.

WARD.	May 1 to Dec. 31, 1884.	1885.	1886.	1887.	Total in each Ward.	Per Cent. in each Ward.
1	13	35	10	11	69.	6.8
2	40	36	16	30	122.	12.1
3	48	44	21	27	140.	13.9
4	78	44	31	21	174.	17.3
5	43	59	21	26	149.	14.8
6	45	69	10	14	138.	13.6
7	34	42	19	16	111.	11.
8	35	36	17	14	102.	10.1
Total,	336	365	145	159	1005.	100.5
Deaths,	64.	49.	49.	21.	35.	169

Scarlet Fever has prevailed to about the same extent as last year, and has not been particularly fatal.

Typhoid Fever began earlier in the summer than usual, and for four months threatened to become quite serious, but it subsided in the latter part of the autumn. The cases on the whole, were mild and the death-rate was not excessive. In connection with this disease, the water and milk supplies were carefully looked into, but no contagion could be traced to either of these sources.

FUMIGATION AND DISINFECTION.

The Board has made it a practice during the past year, to fumigate every house in which there has been a death from diphtheria, and it offers the service of its inspectors, to do this work in any contagious disease, when requested. We have felt the want of a proper apparatus for the disinfection of bedding and clothing, and hope soon that a process for this purpose will be at our command.

INSPECTOR'S REPORT.

		1886.	1887.
Whole number of Complaints,		1,163	2,886
Number of visits to markets,			93
Bob veal condemned (weight 40, 36, 56),			3
Turkey condemned (10 pounds),			1
Hog condemned,			1
Inspected houses where the plumbing was new,			250
Filthy yards,	204	Connected with sewer,	96
Houses trapped,	103	Poor water supply in urinals,	63
Foul cess-pools,	67	Soil pipe extended through	
Filthy cellars,	56	the roof,	44
Imperfect drainage,	43	Foul closets,	42
Open pipes in cellars,	41	Defective plumbing,	38
Tenements vacated,	35	Houses fumigated,	29
Dead animals,	27	Foul stables,	21
Imperfect ventilation,	10	Pigs without licenses,	15
Water shut off,	8	Foul markets,	9
Escaping illuminating gas,	4	Condemned meat,	5
General nastiness,	2	Foul wells,	4
Slaughter-house,	1	Foul henneries,	3
Foul privies,	201	Foul storehouses,	2

Six cases of glanders in horses were reported. Two of them proved to be genuine. The horses were killed, the barns were fumigated and disinfected.

Number of tenements vacated, 35.

Occupied after repairs satisfactory to the Board, 9.

Demolished, 11.

Now stand vacant, 15.

ANALYSIS OF CITY WATER.

SOURCE OF SUPPLY.	AMMONIA.		Color Zero thaw.	RESIDUE ON EVAPORATION.			Chlorine.	Nitrogen as Nitrates and Nitrites.	Nitrites.
	Free.	Albuminoid.		Fixed.	Volatile.	Total.			
<i>Holden Supply.</i> Storage, June, 1887.	.0002	.0144	0.1	1.20	1.07	2.27	.14	.013	000
<i>Holden Supply.</i> Distributing, Aug., 1887.	.0023	.0189	0.6	1.90	1.27	3.17	.08	.003	000
<i>Leicester Supply.</i> Storage, Oct., 1887.	.0092	.0224	0.35	2.50	0.75	3.25	.15	.007	000
<i>Leicester Supply.</i> Distributing, Sept., 1887.	.0014	.0182	0.1	2.10	0.80	2.90	.20	.003	000
<i>Bell Pond.</i> September, 1887.	.0008	.0232	0.1	2.05	0.50	2.65	.22	.000	000

Analysis by the State Board of Health.

STABLE MANURE.

With the increase of population this source of complaint, in the thickly settled portions of the city, is becoming frequent and troublesome.—The subject is a difficult one to handle by general rules. What may be an intolerable nuisance in the centre of the city, may not be noticed in the outskirts. There are several stables so located that it is impossible to cart manure from them in the daytime, without great inconvenience to their neighbors. The carting of this material through the streets seems to be less of a nuisance than handling it in the stables. The Board requires that during the summer months it be removed from all centrally located stables as often as once in two

weeks, except in those where the vaults are constructed with sufficient capacity for holding the accumulation of several months. These vaults should be cleaned out only in cold weather. The loading and carting of manure should in all cases be done out of business hours.

PUBLIC BATH-HOUSES.

Although repeatedly recommended by the Board of Health, and the plans for them approved by the Parks-Commission, the city is still without public bath-houses.—An invaluable luxury, and an aid most necessary to the health and cleanliness of the poorer classes. The small boy can for a few years longer, escape the vigilance of the police, and enjoy his swim in some of the many ponds about the city, but in the enforcement of the ordinance forbidding public bathing, the city takes away a privilege from the people, without giving anything in return. We believe that should you appropriate the money necessary to construct and maintain one or more such houses, there would be no difficulty in obtaining permission to locate them on the shores of Institute or Lake Park, and the Parks-Commission would gladly assume the care of them.

PLUMBING ORDINANCE.

The changes adopted in the plumbing ordinance this year have been a decided step in advance of previous years. The Board recognizes that the care of the plumbing of the city, is one of its most important charges. It is our custom to inspect carefully every house from which any sort of complaint comes, and wherever a bad condition of things is found, or there is a case of contagious disease, to correct faults in the plumbing as far as possible. In old houses, we cannot always tear out every pipe, but in new houses, we strive to have the plumber's work as safe and thorough as we can.

Heretofore the greater part of this inspecting has been done by a member of the Board. We feel that with the increase of work during the past two years, it would in the future be more

economical to employ a competent man to follow up the plumbers, and allow this member to give his whole time to the general supervision of the work of the Board.

COLLECTION OF ASHES, ETC.

The Board would again call your attention to the imperative need of a public service, for the collection of waste material. With our present lack of system, it is impossible to control the truckmen who move this through the streets. They frequently ignore all rules relating to the public dumps, and deposit their loads after dark, on the highways, and on private estates. The Board is powerless to correct this evil, without incurring greater expense than its appropriation will allow. It does most earnestly ask, that you establish and equip a service for this work, in connection with one of the City departments.

UNHEALTHY LOCALITIES.

The general sanitary condition of the City shows a marked improvement over past years, as a whole, but there are several unhealthy districts which might be improved by better drainage. It is a well known fact, that the amount of sickness in a locality is increased by the introduction of an abundant supply of water, unless sewers are constructed at the same time.

We have a good illustration of this in Quinsigamond. The water department has carried its supply pipes all over this district, while the sewer department has done no work there. This matter should receive immediate attention, not only by putting a sewer through the main street of the village, but branches should be carried up Stebbins, Perry, and Whipple Streets.

North Street, with Powers Court and Milton Street, should be sewered as soon as possible, and thus stop the contamination of Salisbury Pond.

Another district which needs immediate attention is the upper end of Lincoln Street, from Green Lane to Adams Square.

The sewerage from this region flows in an open trench into the pond on Crystal Street. One of the large ice dealers occupies this pond, and cuts a considerable quantity of ice from it.

The Board is gratified to observe the growing interest in sanitary matters in the community, and the cheerfulness with which suggestions and orders are carried out by property owners, often at considerable expense and temporary loss.

Respectfully submitted.

HENRY GRIFFIN,	} <i>Board</i>	
JAMES C. COFFEY,		<i>of</i>
L. F. WOODWARD, M. D.,		} <i>Health.</i>

REPORT OF THE COMMITTEE ON THE TRUANT SCHOOL.

To the City Council of the City of Worcester:

The undersigned submit the following for the year ending November 30, 1887:—

From the statistics which follow, it appears that there has been slightly more than the usual number of committals to this school during the year; and that the average number belonging to the school is about the same as last year. Since the school was established, in 1863, the average length of the sentences has decreased from one or two years to six months or a year. With the growth of the city, and the increased school attendance, the number of truants would naturally increase; but there has been no marked increase. On the contrary, in proportion to the school attendance, the number of truants is less than it formerly was.

The object of the school, it should be borne in mind, is first, reformation of the inmates; but secondly, and of chief importance is the correction of truancy, by the certainty that this school awaits the incorrigible. The evil of truancy can always be corrected where there is judicious parental restraint. No child ever need be committed to this school if the parent does his duty in season. The commitments are often made against the parents' wish. In all cases they are warned and admonished to do their duty by their truant boys; but in these cases they are either unable, or they make the effort too late. Attendance at school when compulsory even, is secured chiefly through the influence of parents; and this influence is sought and never neglected in the administration of this school.

The accommodations at the City Farm are comfortable, but they will not admit many more pupils. The teaching is calm, firm, and judicious, and the food is wholesome and ample. A

play-ground is provided, for wholesome exercise ; and a room indoors is used for this purpose in cold or stormy weather. The only hardship to the boys is the restraint ; and this is wholesome and what they have never had. It tends to impress them with the inexorable majesty of law. For, since committals are never made till the last, and till all other means of reformation fail, and since the term is usually short, there are few pardons.

STATISTICS FOR THE YEAR.

Number sentenced since the founding in 1863,	362	
Sentenced during the year,	29	
	<hr/>	
Total,		391
Number at the beginning of the year,	16	
Sentenced during the year,	29	
	<hr/>	
Total,		45
Discharged on expiration of sentence,	24	
Eloped and not returned,	1	
	<hr/>	
Total,		25
Remaining Dec. 1st, 1887,	20	
Greatest number at any one time,	20	
Smallest number,	9	
Average number belonging,	12	
Average age on admission, 11 years, 10 months.		
Cost of teaching,	\$300 00	
Board,	2,288 58	
Clothing, etc.,	226 57	
	<hr/>	
Total,	\$2,815 15	
Average per pupil,	\$234 60	
Appropriation,	3,200 00	
Expenditures,	2,815 15	
	<hr/>	
Unexpended balance,	\$384 85	
Necessary for next year,	\$3,200 00	

Respectfully submitted.

A. P. MARBLE,
Supt. of Schools.
 W. ANSEL WASHBURN,
City Marshal.
 CHARLES B. PRATT,
Ch. Com. on the Farm.

} Committee
 on the
 Truant School.

APPENDIX.

GOVERNMENT AND OFFICERS OF THE CITY OF WORCESTER, FOR 1888.

MAYOR.
SAMUEL WINSLOW.

ALDERMEN.

J. LEWIS ELLSWORTH, *President*.

Ward 1.—†J. LEWIS ELLSWORTH.

“ 2.—*WILLIAM H. SAWYER.

“ 3.—†FRANCIS HARRINGTON.

“ 4.—*P. FOSTER WHITE.

“ 5.—†BENJAMIN BOOTH.

“ 6.—*LYMAN A. ELY.

“ 7.—†GRANVILLE A. LONGLEY.

“ 8.—*GEORGE C. WHITNEY.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.
ENOCH H. TOWNE.

Office, No. 2 City Hall; Residence, 23 Clinton Street.

CITY MESSENGER.

CHARLES MARVIN.

Office, No. 1 City Hall; Residence, 1 Clinton Street.

*Term Expires 1890.

†Term Expires 1889.

COMMON COUNCIL.

President.—EDWARD I. COMINS. *Clerk.*—S. HAMILTON COE.

- | | |
|---|--|
| Ward 1.—†John S. Brigham,
*Warren C. Jewett,
*Charles S. Barton. | Ward 5.—†James M. Cronin,
*William O'Connell,
*Alex. Belisle, Jr. |
| Ward 2.—†Oliver M. Ball,
†Edmund L. Parker,
*Rockwood Hoar. | Ward 6.—†William O. Wilder,
†Geo. M. Woodward,
*Marvin M. Taylor. |
| Ward 3.—†William Rafferty,
*James C. Luby,
*Edward D. Cunningham. | Ward 7.—†Edward I. Comins,
*Albert B. Whipple,
*Henry G. Taft. |
| Ward 4.—†James H. Mellen,
†Daniel S. Scannell,
*Daniel F. Fitzgerald. | Ward 8.—†Charles F. Aldrich,
†George S. Clough,
*Cephas N. Walker. |

JOINT STANDING COMMITTEES.

On Finance.—The Mayor, Aldermen Longley and Ely, the President of the Council, Councilmen Parker, Wilder and Luby.

On Claims.—The Mayor, Aldermen Ely and Harrington, the President of the Council, Councilmen Woodward, O'Connell and Hoar.

On Printing.—Aldermen Whitney and Ellsworth, Councilmen Scannell, Taylor and Whipple.

On Highways and Sidewalks.—Aldermen Sawyer and Ellsworth, Councilmen O'Connell, Clough and Taft.

On Water.—The Mayor, Aldermen Ellsworth and White, the President of the Council, Councilmen Luby, Aldrich and Jewett.

On Fire Department.—Aldermen Booth and Ely, Councilmen Parker, Rafferty and Barton.

On Lighting Streets.—Aldermen Booth and Sawyer, Councilmen Clough, Ball and Cronin.

On Military Affairs.—Aldermen Harrington and Whitney, Councilmen Walker, Hoar and Fitzgerald.

On Education.—The Mayor, Aldermen Ely and Whitney, the President of the Council, Councilmen Mellen, Brigham and Woodward.

On Charities.—Aldermen White and Harrington, Councilmen Ball, Scannell and Cunningham.

On Ordinances.—Aldermen Longley and Sawyer, Councilmen Aldrich, Cronin and Taylor.

On Sewers.—The Mayor, Aldermen Harrington and Longley, the President of the Council, Councilmen Walker, Brigham and Belisle.

On Public Buildings.—Aldermen White and Whitney, Councilmen Ball, Wilder and Mellen.

On Mayor's Inaugural and Unfinished Business.—Aldermen White and Booth, Councilmen Brigham, Barton and Cunningham.

On Public Works.—The Mayor, Aldermen Ellsworth, Harrington, Sawyer and Booth, the President of the Council, Councilmen Luby, Walker, O'Connell, Parker and Clough.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

On Assessments for Sewers.—Aldermen Longley and Harrington.

On Assessments for Street Betterments.—Aldermen Ellsworth and Sawyer.

On Enrollment.—Aldermen Ellsworth and Whitney.

On Bills in Second Reading.—Aldermen Whitney and Booth.

On Elections and Returns.—Aldermen White and Longley.

COMMON COUNCIL.

On Bills in Second Reading.—Councilmen Rafferty, Taylor and Whipple.

On Enrollment.—Councilmen Woodward, Barton and Fitzgerald.

On Elections and Returns—Councilmen Taft, Jewett and Belisle.

CITY SOLICITOR.

FRANK P. GOULDING.

Office, No. 405 Main Street ; Residence, 44 Harvard Street.

TREASURER AND COLLECTOR.

WILLIAM S. BARTON.

Office, No. 12 City Hall ; Residence, 23 High Street.

ASSESSORS.

Harrison G. Otis, *Chairman*.

Thomas Talbot, *Secretary*.

Amos M. Parker, 3 years.

Harrison G. Otis, 2 years.

Thomas Talbot, 1 year.

Office, City Hall.

ASSISTANT ASSESSORS.

Ward 1.—Freeman H. Pelton.

Ward 5.—George Prichard.

“ 2.—John G. Smith.

“ 6.—William Underwood.

“ 3.—John W. Foley.

“ 7.—Jonathan Luther.

“ 4.—L. J. Goodell.

“ 8.—Charles M. Smith.

AUDITOR.

HENRY GRIFFIN. Office, No. 7 City Hall.

Residence, 48 Cedar Street.

CITY ENGINEER.

CHARLES A. ALLEN, Office, City Hall.

Residence, 44 Webster Street.

SUPERINTENDENT OF PUBLIC BUILDINGS.

CHARLES H. PECK, Office, No. 6 City Hall.

Residence, 29 Lincoln Street.

COMMISSIONER OF HIGHWAYS.

LUCIAN B. STONE, Office, No. 3 City Hall.

Residence, 1030 Main Street.

WATER COMMISSIONER.

JOHN G. BRADY, Office, No. 5 City Hall.

Residence, 10 John Street.

WATER REGISTRAR.

GEORGE E. BATCHELDER, Office, No. 5 City Hall.

Residence, 96 Austin Street.

SUPERINTENDENT OF SEWERS.

RICHARD FOBES, Office, No. 16 City Hall.

Residence, 11 Lancaster Street.

REGISTRARS OF VOTERS.

Richard Matthews, *Chairman*.E. H. Towne, *Clerk*.

Richard Matthews.

George H. Mellen.

Francis Plunkett.

E. H. Towne.

COMMISSIONERS OF HOPE CEMETERY.

Albert Tolman, *Chairman*.Elijah B. Stoddard, *Secretary*.William Bush, *Superintendent*.Albert Curtis, *Asst. Superintendent*.

Thomas M. Rogers, 5 years.

William Bush, 4 years.

Albert Curtis, 2 years.

Albert Tolman, 3 years.

Elijah B. Stoddard, 1 year.

PARKS COMMISSION.

Edward Winslow Lincoln, *Chairman and Secretary.*

Edward L. Davis. Term expires first Monday in May, 1892.

James Draper. Term expires first Monday in May, 1891.

Edward Winslow Lincoln. Term expires first Monday in May, 1890.

O. B. Hadwen. Term expires first Monday in May, 1889.

Martin Green. Term expires first Monday in May, 1888.

COMMISSIONERS OF SINKING FUNDS.

Samuel Woodward, *Chairman.* Henry A. Marsh, *Secretary.*

William S. Barton, *Treasurer.*

Henry A. Marsh, 3 years.

Samuel Woodward, 2 years.

Edward L. Davis, 1 year.

COMMISSIONERS OF THE JAUQUES FUND AND OTHER FUNDS OF THE CITY HOSPITAL.

Albert Curtis, *President.*

Chas. B. Pratt, *Secretary.*

William S. Barton, *Treasurer.*

Chas B. Pratt, 3 years.

Henry A. Marsh, 2 years.

Albert Curtis, 1 year.

DIRECTORS OF THE FREE PUBLIC LIBRARY.

Francis A. Gaskill, *President.*

James E. Estabrook, *Secretary and Treasurer.*

P. L. Moen,	}	6 years.	H. H. Merriam,	}	5 years.
B. W. Potter,			M. H. Harris,		
A. G. Bullock,	}	4 years.	Thomas Griffin,	}	3 years.
J. O. Marble,			E. H. Russell,		
Adin Thayer,	}	2 years.	F. A. Gaskill,	}	1 year.
George Swan,			James E. Estabrook,		

Samuel S. Green, *Librarian.*

BOARD OF HEALTH.

Henry Griffin, *Chairman.*

James C. Coffey, *Clerk.*

Lemuel F. Woodward, 3 years.

Henry Griffin, 2 years.

James C. Coffey, 1 year.

SCHOOL COMMITTEE.

SAMUEL WINSLOW, *ex-officio*, President.A. P. MARBLE, *Superintendent and Secretary*.

Office, No. 492 Main Street.

Members whose term expires January, 1891.	Members whose term expires January, 1890.	Members whose term expires January, 1889.
Rebecca Barnard,	William T. Souther,	Geo. F. Thompson,
Charles F. Adams,	Charles Ballard,	Edward F. Tolman,
Eugene M. Moriarty,	James E. Guerin,	Daniel J. Savage,
Daniel J. Kelley,	M. J. P. McCafferty,	John J. Hughes,
Joseph H. Kelley,	John B. Ratigan,	Peter J. Nihill,
Alzirus Brown,	George L. Sanford,	Wm. H. Dexter,
Samuel E. Hildreth,	Arthur M. Taft,	Joseph A. Howland,
George Swan.	Joseph F. Lovering.	Freeman Brown.

TRUANT COMMISSIONERS.

SAMUEL WINSLOW, Mayor.

A. P. MARBLE, Superintendent of Schools.

W. ANSEL WASHBURN, City Marshal.

HENRY E. FAYERWEATHER,	} <i>Truant Officers.</i>
MICHAEL J. ENGLISH,	

CITY MARSHAL.

W. ANSEL WASHBURN. Office, Police Station, Waldo St.
Residence, 3 Benefit Court.

FIRST ASSISTANT-MARSHAL.

FRIEWALDAU C. THAYER.

Office, Police Station, Waldo Street.
Residence, 7 Oread Place.

SECOND ASSISTANT-MARSHAL.

AMOS ATKINSON. Office, Police Station, Waldo Street.
Residence, 90 Canterbury Street.

CAPTAIN OF POLICE STATION No. 1.

DAVID A. MATTHEWS.

CAPTAIN OF POLICE STATION No. 2.

SUMNER W. RANGER.

PATROLMEN.

Barker, Charles W.
Barker, George V.
Beahn, John F.
Bellows, Simeon M.
Blake, Oliver.
Brady, William H.
Bullock, Sylvanus G.
Clifford, Dennis E.
Colby, R. M.
Collins, Patrick.
Connors, M. J.
Crowell, Edward S.
Cummings, Thomas.
Deady, Michael.
Diggins, Patrick.
Delaney, Geo. T.
Dillon, Luke J.
Drohan, W. N.
Dunn, John.
Fairbanks, Edson.
Farr, John R.
Finneran, Wm.
Fitzpatrick, Edward C.
Foley, Daniel.
Foley, M. J.
Flint, Joseph H.
Garland, Charles A.
Goggin, David.
Green, M. S.
Hanson, Chas. R.
Harper, Alfred.
Harper, Andrew.
Healey, Michael J.
Hickey, Wm.
Hines, Patrick H.

Horgan, John J.
Hubbard, M. J.
Hurley, Thomas.
Johnson, James T.
Johnson, O. A.
Johnson, Wm. H.
Lawrence, William.
Linguist, Nils.
Lombard, Eneas.
Legassy, John.
Macomber, Calvin L.
Maloney, J. M.
March, Addison.
Matthews, Robert F.
McCarthy, Daniel.
McCarthy, Joseph S.
McMurray, Thomas.
Mecorney, H. H.
Millett, Frank W.
Mooney, N. J.
O'Connell, James P.
O'Connell, M. J.
O'Connor, James.
O'Connor, John.
O'Connors, James S.
O'Day, John E.
O'Day, P.
O'Sullivan, John.
Piper, Wm. A.
Ramsdell, Wm. R.
Ratigan, P. E.
Reardon, John W.
Roach, James W.
Sampson, F. H.
Shippee, Chas. H.

Stone, William.	Thompson, Chas. J.
Streeter, Edward H.	Tyler, Elliott.
Streeter, H. B.	Ward, S. W.
Thayer, Apollus Q.	Warren, John W.
Thayer, Moses.	White, Wyman S.
Thayer, Romanzo.	Williams, Frederick W.

SERGEANT.

Matthew J. Walsh.

CONSTABLES FOR CRIMINAL BUSINESS.

W. Ansel Washburn.	Reuben M. Colby.
Amos Atkinson.	Sumner W. Ranger.
Friewaldau C. Thayer.	Emery Wilson.
David A. Matthews.	Matthew J. Walsh.
Henry E. Fayerweather.	W. L. Robinson.
Michael J. English.	John Keyes.
Patrick O'Day.	Arthur W. Macomber.

CONSTABLES FOR CIVIL BUSINESS.

Theodore H. Bartlett.	James C. Coffey.
David M. Earle.	Reuben Champion.
Charles Marvin.	Charles H. Cleveland.
Charles N. Hair.	Nathan F. Heard.
Daniel A. Hawkins.	John W. Foley.

TRUSTEES OF THE CITY HOSPITAL.

Albert Curtis, <i>President</i> .	Stephen Salisbury, <i>Secretary</i> .
Francis Harrington, Alderman.	Stephen Salisbury, 4 years.
George M. Woodward, } Coun-	Albert Curtis, 3 years.
William O'Connell, } cilmen.	Albert Wood, 2 years.
Thomas H. Gage, 1 year.	

OVERSEERS OF THE POOR.

Samuel Winslow, *President*.George W. Gale, *Clerk*.

SAMUEL WINSLOW, Mayor,

A. P. MARBLE, Supt. of Schools,

W. ANSEL WASHBURN, City Marshal,

} *ex-officiis*
Members.

Charles B. Pratt and H. A. Harrington, 3 years.

O. A. Kelley and Oscar F. Rawson, 2 years.

Dennis C. Leonard and Alzirus Brown, 1 year.

CITY PHYSICIAN.

LEMUEL F. WOODWARD.

Office, No. 52 Pearl Street.

KEEPER OF ALMSHOUSE.

BENJAMIN F. PARKHURST.

UNDERTAKERS.

George Sessions.

James E. Fay.

Waldo E. Sessions.

George G. Hildreth.

Frank E. Sessions.

Andrew Athy.

William J. Fay.

James A. Athy.

Alfred Roy.

PUBLIC WEIGHERS.

Wm. A. Barrows, N. Worcester. Wm. E. Drake, Lincoln Square.

Dwight R. Scott, Salem Square. James Weeks, Mason Street.

N. H. Chandler, South Worcester.

MEASURERS OF WOOD.

Wm. A. Barrows, N. Worcester. Dwight R. Scott, Salem Square.

N. H. Chandler, S. Worcester. Wm. E. Drake, Lincoln Square.

SURVEYORS OF LUMBER.

Nahum R. Hapgood, George O. Hart, Thomas H. Hayford.

FENCE VIEWERS.

A. C. Buttrick, Charles Ballard, Frederick H. Chamberlain.

MILK INSPECTOR.

Elisha S. Knowles. Office, No. 3 Pleasant Street.

FIELD DRIVER.—L. B. Stone.

POUND KEEPER.—Michael J. Halley.

SEALER OF WEIGHTS AND MEASURES.

Elisha S. Knowles. Office, No. 3 Pleasant Street.

BOARD OF ENGINEERS.

Office, No. 10 Bigelow Court.

SIMON E. COMBS, *Chief*, 1 year.

CHARLES M. MILLS, *Clerk*.

Assistant Engineers.

First—Edwin L. Vaughn, 3 years.

Second—Geo. S. Coleman, 3 years.

Third—Henry E. Robbins, 2 years.

Fourth—Clifford O. Lamb, 2 years.

SUPERINTENDENT OF FIRE-ALARM TELEGRAPH.

CHARLES M. MILLS, 1 year.

SALARIES OF CITY OFFICERS.

1888.

Mayor	\$2,500 00
City Clerk	2,000 00
City Treasurer and Collector, for all services rendered the city.....	3,000 00
City Engineer, to provide and board his team.....	2,400 00
City Solicitor.....	3,000 00
City Physician.....	1,200 00
Auditor of Accounts.....	1,400 00
City Messenger.....	900 00
Commissioner of Highways, to provide and board his teams	2,100 00
Water Commissioner, to provide and board his team.....	1,800 00
Water Registrar.....	1,500 00
Superintendent of Sewers, to provide and board his team...	1,900 00
Superintendent of Public Buildings, to provide and board his team.....	1,600 00
Clerk of the Common Council.....	400 00
Clerk of the Overseers of the Poor.....	1,500 00
One Assessor, being Chairman of the Board.....	1,700 00
One Assessor.....	1,500 00
One Assessor.....	1,500 00
Assistant Assessors, each, per day	\$3 00
Oleomargarine and Milk Inspector.....	150 00
Sealer of Weights and Measures.....	250 00
One member (general inspector) of the Board of Health...	1,000 00
One member of the Board of Health.....	200 00
Chief Engineer of the Fire Department.....	1,700 00
First Assistant Engineer.....	400 00
Second Assistant Engineer.....	250 00
Third Assistant Engineer.....	250 00
Fourth Assistant Engineer.....	250 00
Foremen of Companies, each, per annum.....	190 00
Assistant Foremen of Companies, each, per annum.....	180 00
Clerk of Board of Engineers, per annum.....	150 00
Engineers of Steamers, each, per annum.....	250 00
Hook and Ladder men and Hose men, per annum, each....	165 00
Superintendent of Fire Alarm and Police Signals.....	1,400 00

APPROPRIATIONS

FOR THE YEAR 1888.

Abatements.....	\$ 3,000 00
Board of Health.	3,500 00
City Hall.....	2,000 00
City Hospital.....	10,000 00
Fire Department	62,000 00
Fire Patrol.....	1,200 00
Free Public Library.....	14,500 00
“ “ “ Land and Plans for new Bld'g...	35,500 00
Highways, Sidewalks and Paving.....	90,000 00
Incidental Expenses.....	15,000 00
Interest	97,500 00
Interest on Sewer Loan.....	33,400 00
Lighting Streets.....	70,000 00
Parks-Commission	10,000 00
Pauper Department—City Relief.....	10,000 00
Pauper Department—Farm	20,000 00
Pauper Department—House Offal.....	12,000 00
Pauper Department—Truant School.....	3,200 00
Police Department.....	92,000 00
Salaries	23,000 00
School Department.....	245,000 00
School-house	4,000 00
Sewers—Construction	75,000 00
Sewers—Maintenance	13,000 00
Street Construction ..	70,000 00
Water Works Construction.....	30,000 00

\$1,044,800 00

31^a
1 · 1 - ①





Property of
WORCESTER PUBLIC LIBRARY

